



2019-2020



# MURRAY STATE UNIVERSITY

## Student Section Information

Application Date: 04/11/2020

Activity Dates: **April 1, 2019-March 31, 2020**

Student Section Name: Murray State University  
Parent Chapter: Purchase Area

Faculty Advisor: David W. Wilbanks, Ph.D., CSP, ARM

Number of students pursuing an academic degree in safety or another safety related discipline:  
288

Number of Student Section Members: 89

Names and titles of Student Section officers and leaders

Name	Title
Trevor Cheatham	President
Amelia Newton	Executive Vice President
Austin Zinobile	Vice President
Jacob Littlefield	Recorder
Madison Ohlmann	Secretary
Melina Eaker	Delegate
Laramie Locke	Treasurer

**Contact Information**

We attest that the information provided in this application is a true representation of the Student Section activities for the period specified. **This must be hand signed.**

*For Trevor Cheatham*  
*David He Wilbanks*  
\_\_\_\_\_  
Signature – Student Section President

\_\_\_\_\_  
Signature – Faculty Advisor

Student Section Address:






Murray State University  
Occupational Safety and health Department  
157 Industry & Technology Center  
Murray, KY 42071

Phone Number:

(270) – 809 - 6650

## Annual Minimum Requirements

\*If Student Section fails to include evidence for each annual minimum requirement the application will not be considered by the OSSA evaluation committee.

Check off	Annual Minimum Requirements
	Attach <u>at least</u> four newsletters published by Student Section to the appendices. If Section uses social media in place of newsletters, please include several screenshots/printout examples. Social media postings should include more than just announcements and should instead be an informative educational tool. These social media postings should occur regularly. Section updates in the parent Chapter's newsletter and general emails do not count towards this requirement.
	Include dates of attendance and subject matter of a <u>minimum</u> of 2 parent-chapter hosted General Membership or Parent -Chapter Executive Committee meetings attended by a Student Section representative within the academic year.
	Include at least 6 Section meetings, with 4 being of technical content, held by the Section within the academic year. The definition of "technical" in this context is a process or procedure directly relating to OSH practice (social gatherings, resume building, interviewing skills, recruiting, certification, employment, and other soft skills would not be considered "technical" in this context). Please include a brief one sentence description outlining the content of each meeting. A meeting may only be counted once in the totals. Please note the 2019-2020 award only includes activity from April 1, 2019–March 31, 2020.
	Attach faculty advisor letter of support or recommendation to the appendices.
	Include at least one community or campus activity sponsored or participated in by the Student Section in Judging Criteria 3.0.

## Judging Criteria

### 1.0 Professional Development and Enhancement

- 1.1 Parent-chapter hosted general membership or Parent chapter executive committee meetings attended by Student Section representative(s)

Meeting Date	Topic	Speaker	Student Section Representative(s)
September	(Parent-chapter did not host meeting for this month)	NA	NA
October	(Parent-chapter did not host meeting for this month)	NA	NA
11-15-19	Pathway to Serious Willfull Violations	Randy Gray	Trevor Cheatham, Madison Ohlman
1-17-20	Multi-Employer Citations	Randy Gray	Trevor Cheatham, Amelia Newton, Madison Ohlmann
2-21-20	Annual Notification for Nominations for Upcoming Chapter Officers and Elections	Randy Gray	Amelia Newton
3-20-20	(Parent-chapter meeting cancelled Due to COVID-19 Pandemic)	Randy Gray	NA

- 1.2 Technical meetings:

Meeting Date	Topic	Speaker	Brief one sentence description outlining the content of the meeting	# of Section Members in Attendance
9-19-19	Asbestos Awareness	Ryan Cannady, GSP	Ryan Cannady of UCOR and an alumni of our ASSP student section, attended our September ASSP meeting to discuss the risk and hazards associated with Asbestos and Asbestos Abatement.	89
10-17-19	Hazard Identification in Construction	Turner Construction	Representatives from Turner Construction attended our October meeting in order to provide insightful information over how to effectively identify hazards in the workplace and what implementing corrective action looks like.	45
11-19-19	Emergency Preparedness and Response Teams	Ahsley Poyner, CSP	Ashley Poyner of West Lake Chemical attended our November student section meeting and presented over the topic of emergency preparedness and why	16

			quick response is important in an emergency. Additionally, he shared some of his professional experience in response teams.	
3-10-20	Fire and Rescue Team Technical Training	Carter Phipps	Carter Phipps of Calloway County Fire and Rescue attended our March meeting in order to talk about community incident response and how safety plays a role in fire and rescue operations.	19

1.3 Other meetings:

Meeting Date	Topic	Speaker	Brief one sentence description outlining the content of the meeting	# of Section Members in Attendance
4-22-19	Finance Overview	Dr. Stephen Lacewell	Dr. Lacewell, a finance professor at Murray State, spoke about personal finance, tips on how to make large purchases, and how to start planning for retirement. This meeting was co-hosted with AIHA, and we also conducted our officer transitions.	23
6-9-19	ASSP Safety 2019	ASSP Safety Conference Panel	Two current ASSP members (Jacob Littlefield and Hannah Jones) and two alumni (Lauren Cox and Ian Dean) attended the Safety 2019 conference in New Orleans, LA.	4
10-24-19	Cincinnati ERC Symposium	ERC Panel	Two ASSP student section members attended the 20 <sup>th</sup> annual Piolet Research project Symposium and served as moderators for the event	2
11-7-19	ASSP Future Safety Leaders (FSL) Conference	ASSP FSL Panel	Seven student section members and the faculty advisor, Dr. Wilbanks, attended the 2019 Future Safety Leaders Conference.	7
12-6-19	Gergau Plant Visit	Gergau Representative	Six ASSP student section members, Dr. Yousif "Joe" Abulhassen, and Dr. David Wilbanks visited a nearby Gergau plant and engaged with upper management to learn about applying safety to real life situations.	8
1-30-20	ASSP Foundation Scholarships	Trevor Cheatham	The officers of the Murray State University ASSP student section discussed the ASSP Foundation	22

			scholarship opportunities that would be available in the Fall and shared how they can apply.	
2-20-20	Career Services Overview	Matt Purdy	The Career Services office on campus stopped by to discuss with ASSP members the fundamentals of professional growth and networking.	17

2.0 **Section-Sponsored Research and Applications**

- a) Laramie Locke  
Murray State Occupational Safety and Health Department Graduate Assistant
- b) Balye Ranes  
Murray State Occupational Safety and Health Department Graduate Assistant
- c) Tyler Howell  
Murray State Occupational Safety and Health Department Graduate Assistant
- d) Dr. Yousif "Joe" Abulhassan, Ph.D., CSP, CPE  
Department of Occupational Safety & Health Assistant Professor
- e) 10 additional student section members participated, names cant be shared due to IRB confidentiality requirement

2.1 Research:

- a) Upper Extremity Physical Risk Factors of Electrical Panel Box Wiring Assembly
- b) Ergonomic Risk Factors of Agricultural Jobs in Western Kentucky

2.2 Applications of established safety and health approaches:

- a) Allegro Fine Foods Inc., Noise Monitoring

3.0 **Community Involvement**

3.1 Section-sponsored community activities

Date	Community Event	Description	Student Section Participation
September 9 <sup>th</sup> – 13 <sup>th</sup> , 2019	Calloway County Fire & Rescue Fundraiser	A student at Murry State University who was in the OSH department passed away due to a boating accident, our ASSP student section responded with helping raise money for the Calloway County Fire & Rescue team to ensure that they have the best equipment available to them to properly carry out fire and recue operations. A check for \$1,119.20 was presented to Calloway County Fire and Rescue.	Full participation, \$619.20 raised by students with \$500 match from student section

3.2 Section-sponsored campus activities

Date	Campus Event	Description	Student Section Participation
10-29-19	Scholarship Tabling	During the fall semester of 2019, several of the members on the executive committee tabled in the OSH department to advertise the ASSP foundation scholarship application. We used the opportunity to make new students aware of this opportunity and to make sure that upperclassmen had made progress on their applications.	10
12-3-19	Donut & Coffee Social	This is our second annual donut and coffee social. During finals week of the fall 2019 semester, our student section decided to help boost the morale of both ASSP members and the student body. Over four dozen donuts and two gallons of coffee were served to students and faculty in the OSH department in preparation for finals week.	18
3-10-20	ASSP Student Section Scholarship	For the second year in a row, the purchase area student section of ASSP has funded and made a scholarship available to the students in the OSH department at Murray State University. This year we had three different students selected to receive the ASSP student section scholarship, Coltan Schanz, Dibash Acharya, and Colton Buck. \$1,000 were allocated to this scholarship, 1 <sup>st</sup> place was \$500, 2 <sup>nd</sup> was \$300, and 3 <sup>rd</sup> was \$200.	13
3-10-20	OSH Department Donation	The OSH department at Murray State University has done a lot for our ASSP student section over the years. To show our gratitude, a check for \$500 was presented to department chair, Dr. Tracey Wortham, in order to help fund future research and to purchase needed classroom equipment.	7

3.3 Section participation in community activities:

Date	Community Event	Description	Student Section Participation
10-31-19	Trail of Treats	For the 5 <sup>th</sup> year in a row, our student section participated in the Trail of Treats Halloween event, hosted by the Murray Calloway County Parks. Our dressed up in costumes and handed	6

		out candy to over 200 kids in attendance.	
2-12-20	ASSP Bowling Night	Following the February meeting of our ASSP student section, several members decided to head to the bowling alley for some networking and fun. Our members ate pizza, bowled, and had a great time getting to know one another.	13
2-25-20	Big Apple Trivia Night	In order to boost spirits and morale during the school semester, several of our members went to the popular 'Big Apple' restaurant in Murray, KY to play some trivia against competing teams and other student organizations. Trivia night has become a weekly event for several of our members, and they are always inviting others to join the fun.	15
3-10-20	ASSP Bowling Night	Following the March meeting of our ASSP student section meeting, our members once again planned a fun night of bowling at the bowling alley in Murray, KY.	10

3.4 Section participation in campus activities:

Date	Campus Event	Description	Student Section Participation
9-16-19	Murray State University September Blood Drive	During the fall 2019 semester, our student chapter assisted the Student Government Association in order to provide support at the September Blood Drive. Five ASSP members were in attendance and they helped sign students in, provide snacks, and assist the nurses.	5
10-25-19	Soup for the Soul	Partnering with the OSH honorary society, known as Rho Sigma Kappa (RSK), four ASSP student section members joined RSK as they went to the 'Soup for the Soul' soup kitchen in Murray, Ky to help provide meals to the less fortunate.	4
11-11-19	Murray State University November Blood Drive	For the second time during the fall 2019 semester, our ASSP student section members once again volunteered to help the Student Government Association run the November Blood Drive. Three ASSP members were in attendance, helping provide assistance where needed.	3
2-11-20	Murray State University February Blood Drive	During the spring semester of 2020, the Student Government Association reached out to our ASSP student section to see if we could spare any volunteers. Without skipping a beat, four ASSP members attended the February	4



		Blood Drive once again to assist.	
3-4-20	STEM & OSH Career Fair Labeling	During the STEM & OSH Career Fairs at Murray State University, several of our ASSP student section members volunteered to table the event and provide advice on "how to work a career fair". We spent the whole afternoon consoling nervous students and giving them pointers for talking to employers.	6

### 3.5 Section engagement with and/or support of the ASSP Foundation

#### 1. ASSP Foundation Scholarship Meeting:

During the first meeting of the semester in January for our student section, our executive committee decided to put focus on the opportunities in ASSP. We discussed the scholarship opportunities available for OSH students in the coming fall semester thanks to the ASSP Foundation and advertised the several networking events hosted by ASSP throughout the year, such as the Future Safety Leaders conference, Safety 2020, and the Women In Safety Excellence Retreat.

#### 2. Promotion of Scholarships:

Throughout the fall 2019 semester, our student section advertised scholarship opportunities for the students in the OSH department by utilizing flyer postings, T.V. monitors, and email notifications.

#### 3. Membership Drive

For the academic year of 2019-2020, our ASSP student section hosted a membership drive at the beginning of the fall 2019 semester. From that membership drive, our student section grew by 47 new members, which is by far one of the largest influx of new members for our student section. We currently stand at 89 members, with the potential to grow even more during the 2020-2021 academic year.

#### 4. Social Media Interaction

Several of the members on our executive committee currently follow the ASSP Foundation on Instagram. We began following this social media account during the 2019 Future Safety Leaders Conference. As important information is posted by the ASSP Foundation on Instagram, we are then able to relay that information to the members of our student section. Additionally many of our members also follow ASSP on linkedin, receiving important updates, articles, and access to a large professional network.

### 4.0 Recognition

#### 1. ASSP Foundation Award Recipients

During the 2018-2019 academic year, Eight students from our student section at Murray State University were awarded scholarships and travel grants from the ASSP Foundation. The recipients were: Lauren Cox, Ian Dean, Rachel Gotee, Jacob Littlefield, Megan Baxter, Amber van Duyse, James McIntyre and Nate Hopewell. Eleven scholarships were earned by these eight individuals, which totaled over \$46,000. Additionally, Ian Dean, Lauren Cox, and Jacob Littlefield were awarded travel grants to attend the Safety 2019 conference in New Orleans free of charge.

2. ASSP Student Chapter Sponsored Scholarship:  
Last year, our executive committee decided to recognize distinguished and hard working individuals in our ASSP student section. With the financial support from our parent chapter, we created the Murray State University ASSP Scholarship. The recipients of these scholarships for the 2019-2020 academic year are Colton Buck, Dibash Acharya, and Colton Schanz. \$1,000 were allocated to this scholarship, 1<sup>st</sup> was \$500, 2<sup>nd</sup> was \$300, and 3<sup>rd</sup> was \$200.
3. Poster Presentation:  
ASSP Student section member Tyler Howell, and professor Dr. Yousif "Joe" Abhulhassen, traveled to Frankfort, KY to present a poster containing their research findings and data over ergo risk factors of agricultural jobs in Western Kentucky.
4. Allegro Spice  
During the spring semester of 2020, several students from our ASSP student section traveled to Allegro Fine Foods, Inc., in order to help conduct noise monitoring as part of Allegro Fine Foods, Inc., initiative to control noise exposure in their work environments. The Vice President of Finance of Allegro thanked the student section members involved for their work. Additionally, he let our student section know that the results gathered would be considered in future decision making regarding noise compliance.
5. Thank you letter from OSH department and University  
After providing the check for \$500 to the OSH department, we received letters from both Dr. Tracey Wortham and University itself expressing their thanks for our ASSP student section. They express in the letter that our donation will help fund the OSH academic program.
6. Rho Sigma Kappa Inductees  
Two members of our ASSP student section were inducted into the honorary safety society, known as Rho Sigma Kappa, at Murray State University. The inductees were Austin Zinobile and Tyler Howell

5.0 **Student Section Participation**

1. Parent Chapter Meetings

Meeting Date	Topic	Speaker	Percentage of Members in Attendance
11-15-19	Pathway to Serious Willfull Violations	Randy Gray	2%
1-17-20	Multi-Employer Citations	Randy Gray	3%
2-21-20	The Future of Drug Screening and What That Means for Safety Professionals	Randy Gray	1%

2. Student Section meetings

Meeting Date	Topic	Speaker	Percentage of Members in Attendance
9-19-19	Asbestos Awareness	Ryan Cannady, GSP	100%
10-17-19	Hazard Identification in Construction	Turner Construction	50%
11-19-19[JL1]	Emergency Preparedness/Response Teams	Ahsley Poyner[JL2], CSP	18%
3-10-20	Calloway County Fire and Rescue	Carter Phipps	21%
4-22-19	Finance Overview	Dr. Stephen Lacewell	26%
6-9-19	ASSP Safety 2019	ASSP Safety Conference Panel	5%
11-7-19	ASSP Future Safety Leaders Conference	ASSP FSL Panel	8%
1-30-20	ASSP Foundation Scholarships	Trevor Cheatham	25%
2-20-20	Career Services Overview	Matt Purdy	19%

3. Community and Campus Involvement

Date	Event	Percentage of Members in Attendance
September 9 <sup>th</sup> – 13 <sup>th</sup> , 2019	Calloway County Fire & Rescue Fundraiser	90%
10-29-19	Scholarship Tabling	11%
12-3-19	Donut & Coffee Social	20%

3-10-20	ASSP Student Section Scholarship	21%
3-10-20	OSH Department Donation	100%
10-31-19	Trail of Treats	17%
2-12-20	ASSP Bowling Night	15%
2-25-20	Big Apple Trivia Night	11%
3-10-20	ASSP Bowling Night	11%
9-16-19	Murray State University Blood Drive	3%
10-25-19	Soup for the Soul	4.5%
11-11-19	Murray State University Blood Drive	3%
2-11-20	Murray State University Blood Drive	4.5%
3-4-20	Murray State University STEM & OSH Career Fair Labeling	6%

## 6.0 Endorsements

Dr. Tracey Wortham, P.h.D., P.E.  
 Professor and Department Chair, Occupational Safety and Health Department  
 Murray State University

Randy Gray, CHST, CSHM, GSP, OHST, B.S., M.S.  
 President, Purchase Area ASSP Chapter  
 President, Grayhawk Advantage, Inc.

Ryan Cannady, GSP  
 UCOR Industrial Hygienist

Dr. Bob Jackson, Ed.D  
 President, Murray State University

Dr. David Wilbanks, Ph.D, CSP, ARM  
 Faculty Advisor  
 Professor, Occupational Safety and Health Department

7.0 Other Support Documentation

Appendices (100 pages maximum)

Appendix A. Parent Chapter Meetings

Appendix B. Student Chapter Meeting Sign-In Sheets & Pictures

Appendix C. Research

Appendix D. Community Involvement

Appendix E. Campus Involvement

Appendix F. Endorsement Letters

Appendix G. Newsletters

Appendix H: Additional Documents and Photos

## Appendix A: Parent-chapter meetings

11-15-19 Parent-chapter meeting





#	NAME	ORGANIZATION	EMAIL ADDRESS
1	Randy Gray	CSHAC	randy@grayhawk-safety.com
2	ERIC BERTS	PREMIER FIRE	ewatts@premierfire.net
3	Adam Walker	Beltline Electric	awalker@beltline-services.com
4	Dax Kelly	UGB Waterfront	<del>dkelly@ugbwaterfront.com</del> dkelly@ugbwaterfront.com
5	Trevor Cheatham	Murray State	tcheatham2@murraystate.edu
6	Madison Ohmann	Murray State	mohlmann1@murraystate.edu
7	Amelia Newton	Murray State	anewton8@murraystate.edu
8			
9			-J
10			
11			
12			
13			
14			
15			



# GRAYHAWK

Grayhawk Advantage, Inc.  
 d/b/a Safety & Health Consulting Company  
[grayhawksafety.com](http://grayhawksafety.com)  
[randy@grayhawksafety.com](mailto:randy@grayhawksafety.com)  
 270-703-8282

## OSHA Multi- Employer Citation Policy

1-17-20 Parent-chapter meeting





2-21-20 Parent-chapter meeting



# Appendix B: Student Chapter Meeting Sign-In Sheets & Pictures

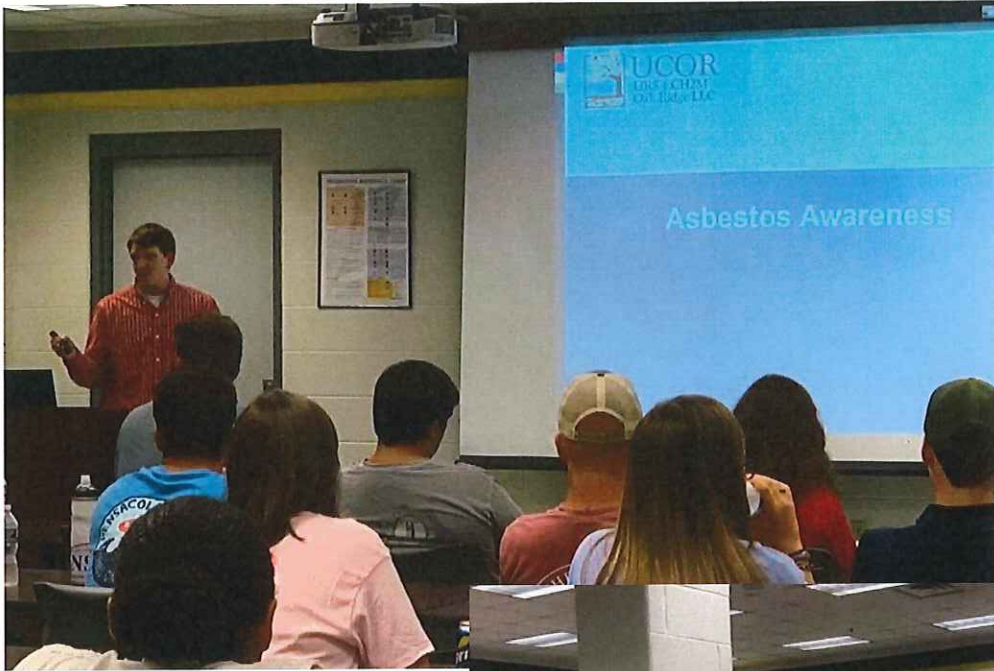
9-19-19 Student Section Technical Meeting

Date: 9/19/19

Company: ASSP

Print Name	Sign Name	Print Name	Sign Name
1. Ryan Morris	<i>[Signature]</i>	31. Will O'Rourke	<i>[Signature]</i>
2. Seth Harness	<i>[Signature]</i>	32. Wes Suttles	<i>[Signature]</i>
3. Abbie Hannun	<i>[Signature]</i>	33. Brock Durham	<i>[Signature]</i>
4. Ahmad Afilal	<i>[Signature]</i>	34. Connor Gibbs	<i>[Signature]</i>
5. Maddie Jones	<i>[Signature]</i>	35. Ethan Sheridan	<i>[Signature]</i>
6. John Gafford	<i>[Signature]</i>	36. Jacob Crossup	<i>[Signature]</i>
7. Ken Archer	<i>[Signature]</i>	37. Ty Akin	<i>[Signature]</i>
8. Paige Miller	<i>[Signature]</i>	38. Colin Horwood	<i>[Signature]</i>
9. Karim Weaver	<i>[Signature]</i>	39. Chloe Dorst	<i>[Signature]</i>
10. Sean O'Bannan	<i>[Signature]</i>	40. Taylor Robinson	<i>[Signature]</i>
11. Taylor Osborn	<i>[Signature]</i>	41. Alex Milling	<i>[Signature]</i>
12. Lily Smith	<i>[Signature]</i>	42. Dillon Stoner	<i>[Signature]</i>
13. Tommy Ross	<i>[Signature]</i>	43. Michael Magochy	<i>[Signature]</i>
14. Kaleb Morgan	<i>[Signature]</i>	44. Chelsey Bonham	<i>[Signature]</i>
15. Nathan Miller	<i>[Signature]</i>	45. Eric McClure	<i>[Signature]</i>
16. James Horton	<i>[Signature]</i>	46. Wyatt Langhi	<i>[Signature]</i>
17. Ryan Gaskins	<i>[Signature]</i>	47. Jordyn Wyatt	<i>[Signature]</i>
18. Braden Nord	<i>[Signature]</i>	48. Keena Credson	<i>[Signature]</i>
19. Roxane Prouhet	<i>[Signature]</i>	49. Jared Plunkett	<i>[Signature]</i>
20. Lillian Underwood	<i>[Signature]</i>	50. Bobby McDavis	<i>[Signature]</i>
21. ISAAC O'Leary	<i>[Signature]</i>	51. John Page	<i>[Signature]</i>
22. Blake Taylor	<i>[Signature]</i>	52. Kincaid Arnot	
23. Rob Simmonds	<i>[Signature]</i>	53. Astia Blanton	<i>[Signature]</i>
24. Will Owen	<i>[Signature]</i>	54. Madison Ohman	<i>[Signature]</i>
25. Colin Peterson	<i>[Signature]</i>	55. Trevor Cheatham	<i>[Signature]</i>
26. JOHN GALLMANN	<i>[Signature]</i>	56. Melina Eaker	<i>[Signature]</i>
27. Avery McClain	<i>[Signature]</i>	57. Jonathan Fritz	<i>[Signature]</i>
28. Colton Schanz	<i>[Signature]</i>	58.	
29. Taylor Champion	<i>[Signature]</i>	59.	
30. TRISTEN McRAM	<i>[Signature]</i>	60.	

9-19-19 Student Section Technical Meeting



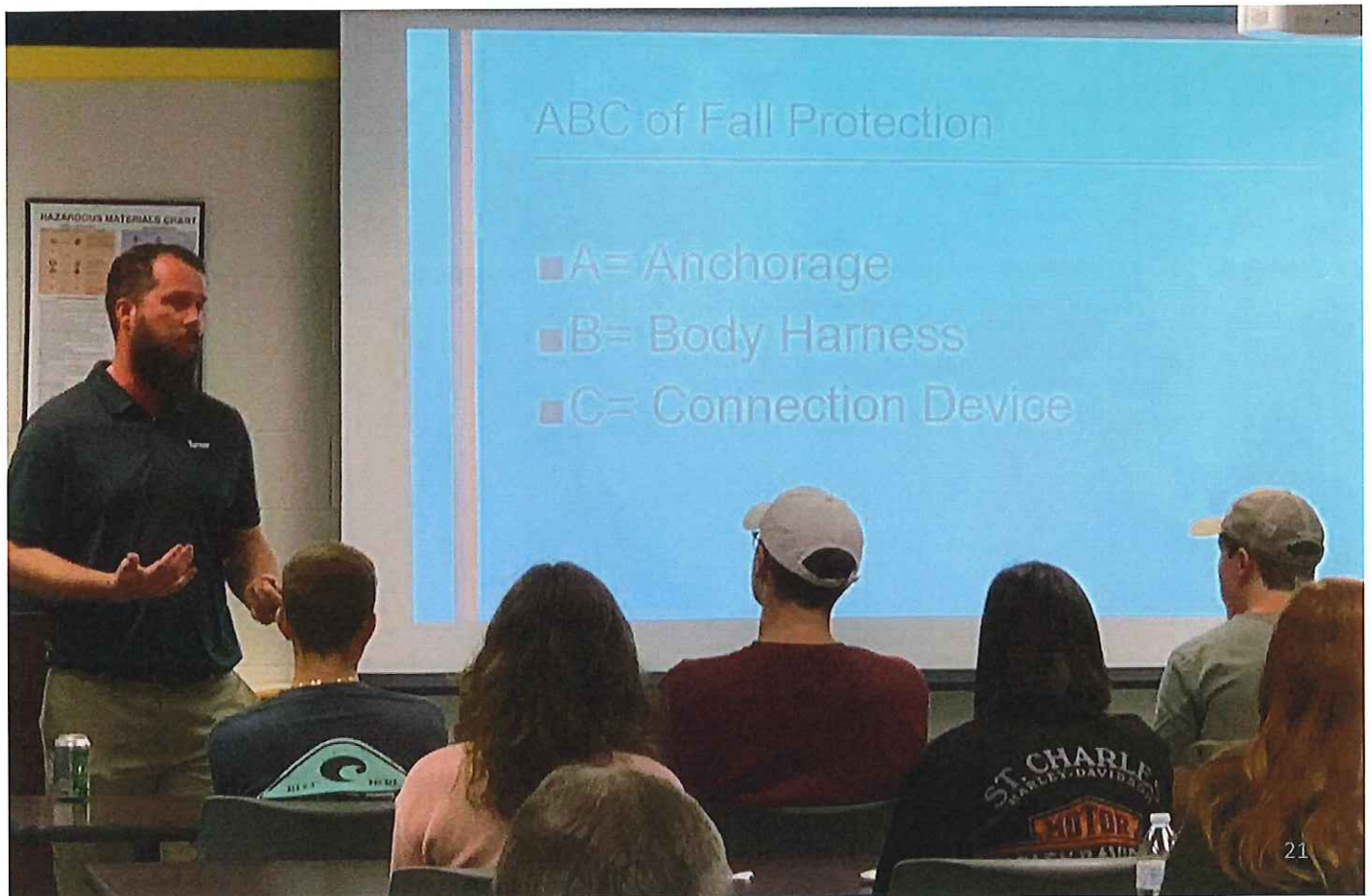
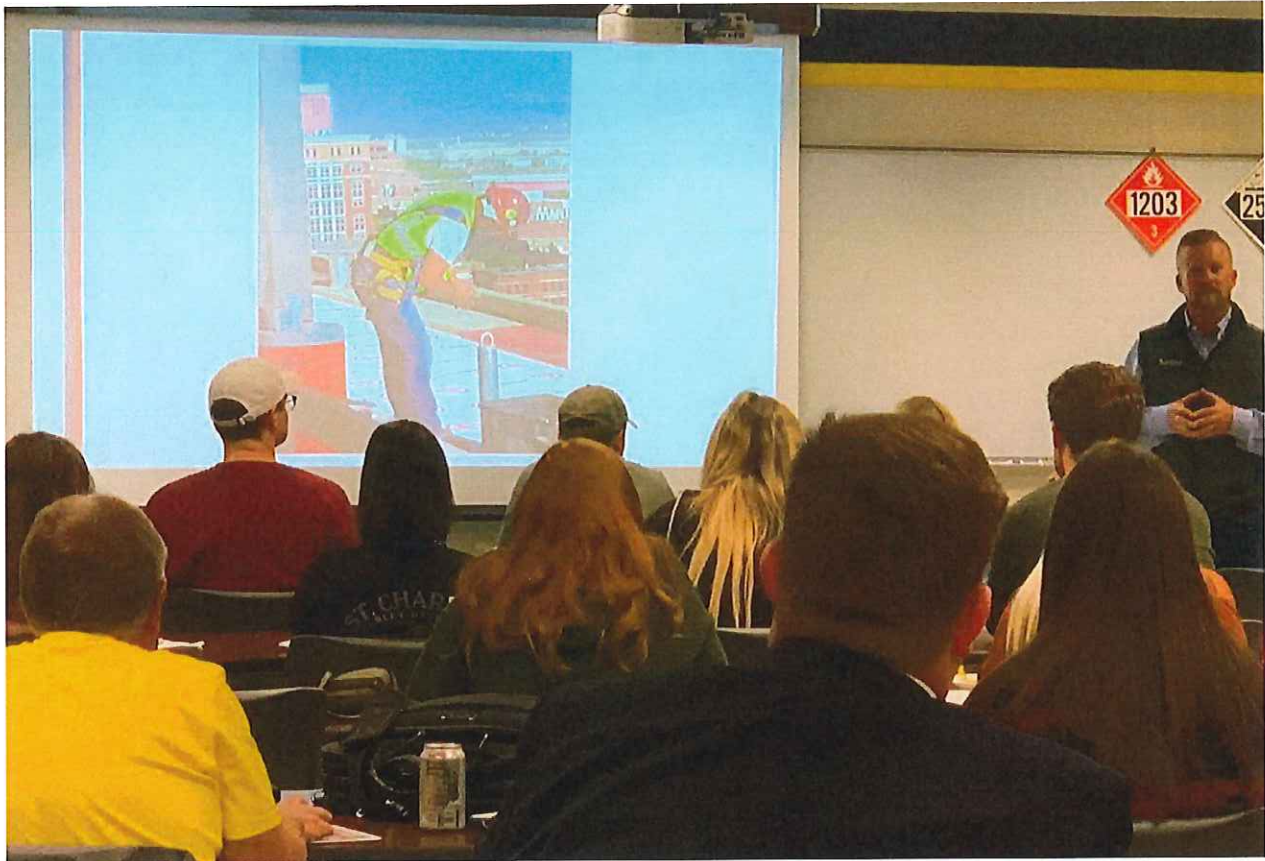
10-7-19 Student Section Technical Meeting

Date: 10/17

Company: Turner Construction/ASSP

Print Name	Sign Name	Print Name	Sign Name
1. Cody Witt	Cody Witt	31. Tommy Ross	Tommy Ross
2. Laramie Lette	Laramie Lette	32. Kelsey Jones	Kelsey Jones
3. Karing Weaver	Karing Weaver	33. Ryan Gaston	Ryan Gaston
4. <del>Brandi Mason</del>	<del>Brandi Mason</del>	34. Kaleb Morgan	Kaleb Morgan
5. <del>Brandi Mason</del>	<del>Brandi Mason</del>	35. Jacob Coissup	Jacob Coissup
6. Brandi Mason	Brandi Mason	36. Isaac Green	Isaac Green
7. Taylor Brandon	Taylor Brandon	37. Noah Sullin	Noah Sullin
8. Darrin Mattingly	Darrin Mattingly	38. Cobie Pyle	Cobie Pyle
9. Chler Dist	Chler Dist	39. Chet Miller	Chet Miller
10. Taylor Robinson	Taylor Robinson	40. Griffen Sherida	Griffen Sherida
11. Roxane Pruned	Roxane Pruned	41. Chase Morris	Chase Morris
12. Macy Streets	Macy Streets	42. Makayla Darnel	Makayla Darnel
13. <del>Maie Adams</del>	<del>Maie Adams</del>	43. John Pate	John Pate
14. Maie Adams	Maie Adams	44. Melina Eaker	Melina Eaker
15. Colin Horwood	Colin Horwood	45. Jacob Littlefield	Jacob Littlefield
16. Tyler Howell	Tyler Howell	46.	
17. Damon Stone	Damon Stone	47.	
18. Chasty Bryant	Chasty Bryant	48.	
19. Amelio Newton	Amelio Newton	49.	
20. Trewer Cheatham	Trewer Cheatham	50.	
21. Chandle Hvic	Chandle Hvic	51.	
22. Tim Froehlich	Tim Froehlich	52.	
23. Jordyn Smith	Jordyn Smith	53.	
24. Chase Lorne Ben	Chase Lorne Ben	54.	
25. Amelia Brian	Amelia Brian	55.	
26. Tyler Simpson	Tyler Simpson	56.	
27. Nathan Miller	Nathan Miller	57.	
28. Colton Shanz	Colton Shanz	58.	
29. Hayden Hart	Hayden Hart	59.	
30. Lily Underwood	Lily Underwood	60.	

10-7-19 Student Section Technical Meeting



## Info Session Sign-in Sheet

Date: 11/21/19

Company: ASSP meeting

Print Name	Sign Name	Print Name	Sign Name
1. Melina Eaker	Melina Eaker	31.	
2. Jacob Littlefield	Jacob Littlefield	32.	
3. Amelia Newton	Amelia Newton	33.	
4. Harry Anderson	Harry Anderson	34.	
5. Bryan Gester	Bryan Gester	35.	
6. Kwanke Tumbul	Kwanke Tumbul	36.	
7. Kelsey Gardner	Kelsey Gardner	37.	
8. Marco Galvan Garcia	Marco Galvan Garcia	38.	
9. Colton Schanz	Colton Schanz	39.	
10. Marina Weaver	Marina Weaver	40.	
11. Mackenzie Edraco	Mackenzie Edraco	41.	
12. Bobby McDaniel	Bobby McDaniel	42.	
13. Madison Ahlmann	Madison Ahlmann	43.	
14. Victor Cheatham	Victor Cheatham	44.	
15. Laramie Locke	Laramie Locke	45.	
16. Austin Zindale	Austin Zindale	46.	
17.		47.	
18.		48.	
19.		49.	
20.		50.	

11-19-19 Student Section Technical Meeting



## Info Session Sign-in Sheet

Date: 3-10-2020

Company: \_\_\_\_\_

Print Name	Sign Name	Print Name	Sign Name
1. Lucrecia Locke	<i>[Signature]</i>	31.	
2. Amelia Newton	<i>[Signature]</i>	32.	
3. Roxane Prunet	<i>Roxane Prunet</i>	33.	
4. TY Akin	<i>TY Akin</i>	34.	
5. Colton Schurz	<i>Colton Schurz</i>	35.	
6. Colton Buck	<i>Colton Buck</i>	36.	
7. Malisa Bentley	<i>Malisa Bentley</i>	37.	
8. Keena Creaser	<i>Keena Creaser</i>	38.	
9. Melina Baker	<i>Melina Baker</i>	39.	
10. Dibash Acharya	<i>[Signature]</i>	40.	
11. Kevante Tumbler	<i>Kevante Tumbler</i>	41.	
12. Nathan Dose	<i>Nathan Dose</i>	42.	
13. Trace Colson	<i>Trace Colson</i>	43.	
14. John Paul	<i>[Signature]</i>	44.	
15. Cole Shepherd	<i>Cole Shepherd</i>	45.	
16. Austin Zimbale	<i>Austin Zimbale</i>	46.	
17. Alex Tinnell	<i>Alex Tinnell</i>	47.	
18. Trevor Cheatham	<i>Trevor Cheatham</i>	48.	
19. Madison Ohlman	<i>Madison Ohlman</i>	49.	
20.		50.	



3-10-20 Student Section Technical Meeting





American Society of Safety Professionals  
Murray State University Student Section



Event: AIHA/ASSP joint meeting

Date: April 22, 2019

Print Name	Sign Name	Print Name	Sign Name
1. Megan Foster	Megan Foster	26.	
2. John Page	John Page	27.	
3. Larnie Locke	Larnie Locke	28.	
4. Larrin Moody	Larrin Moody	29.	
5. Madison Orndorff	Madison Orndorff	30.	
6. Taylor Chatham	Taylor Chatham	31.	
7. Linda Lee	Linda Lee	32.	
8. Hunter Prince	Hunter Prince	33.	
9. Anelia Nelder	Anelia Nelder	34.	
10. Bayley Barnes	Bayley Barnes	35.	
11. Matt Killman	Matt Killman	36.	
12. Austin Zimobile	Austin Zimobile	37.	
13. Jesus Witzel	Jesus Witzel	38.	
14. Cody Bowers	Cody Bowers	39.	
15. Melina Eaker	Melina Eaker	40.	
16. Jaed C. Esp	Jaed C. Esp	41.	
17. Trace Colson	Trace Colson	42.	
18. Calvin Slaughter	Calvin Slaughter	43.	
19. George Paulson	George Paulson	44.	
20. Colin Howwood	Colin Howwood	45.	
21. Lauren Cox	Lauren Cox	46.	
22. Ryan Corrado	Ryan Corrado	47.	
23. Kody Appleby	Kody Appleby	48.	
24.		49.	
25.		50.	

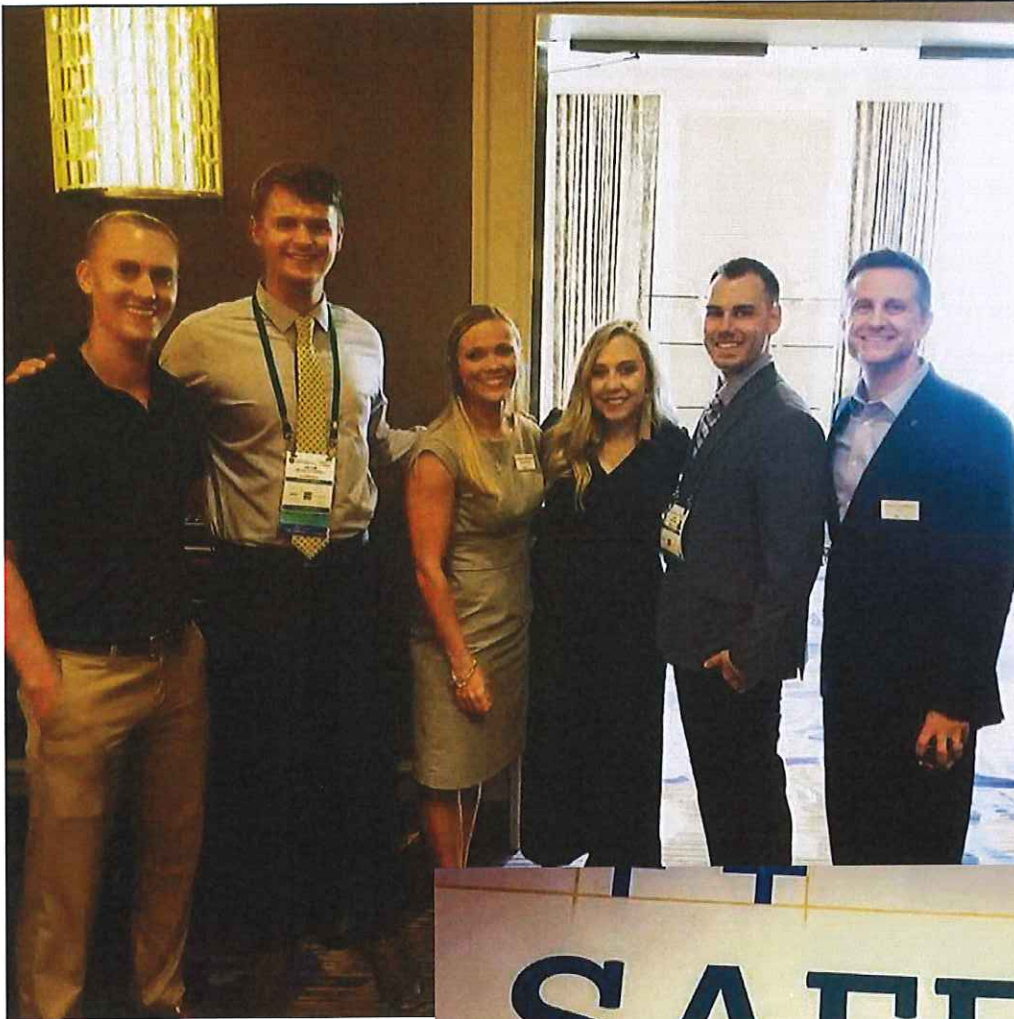
4-22-19 Finance Overview (Other Meeting)



6-9-19 Safety 2019 (Other Meeting)



6-9-19 Safety 2019 (Other Meeting)



10-24-19 Cincinnati ERC Symposium (Other Meeting)



11-7-19 Future Safety Leaders Conference (Other Meeting)



11-7-19 Future Safety Leaders Conference (Other Meeting)





12-6-19 Gerdau Steel - Facility Visit (Other Meeting)



# Info Session Sign-in Sheet

Date: 1/30/20

Company: ASSP Meeting

Print Name	Sign Name	Print Name	Sign Name
1. Roxane Pruebel	Roxane Pruebel	31.	
2. Karina Weaver	Karina Weaver	32.	
3. Madison Bentley	Madison Bentley	33.	
4. Melina Eaker	Melina Eaker	34.	
5. John Morris	John Morris	35.	
6. Colton Schanz	Colton Schanz	36.	
7. Jacob Lutzbeck	Jacob Lutzbeck	37.	
8. Hayden Johnson	Hayden Johnson	38.	
9. Colton Buck	Colton Buck	39.	
10. Adam Stubblebirell	Adam Stubblebirell	40.	
11. Leticia Lake	Leticia Lake	41.	
12. Colin Horwood	Colin Horwood	42.	
13. Alex Tinnell	Alex Tinnell	43.	
14. Kewank Tumbler	Kewank Tumbler	44.	
15. Hannah Jones	Hannah Jones	45.	
16. John Page	John Page	46.	
17. Avery McClain	Avery McClain	47.	
18. Abeer Alghamdi	Abeer Alghamdi	48.	
19. RS Perols	RS Perols	49.	
20. Trevor Cheatham	Trevor Cheatham	50.	
21. Madison Chlmann	Madison Chlmann	51.	
22. Austin Zimble	Austin Zimble	52.	
23.		53.	

1-30-20 Scholarship Overview (Other Meeting)



Please see below a message from ASSP.

Hello all!

We hope everyone had a great Christmas break and everyone is easily adjusting to being back on campus. We wanted to remind everyone that we will be having an ASSP Meeting, a week from today, **Thursday, January 30, at 4:45pm in Room 146IT**. We will talk about **scholarship opportunities** and **food will be provided!** Hope to see you there!

Best,

Madison Ohlmann



### ASSP Sign-In Sheet 02/20/20

Roxane Prouhet	
Jacob Co, Esq	
Melina Eaker	
Adam Stubbetield	
Colin Horwood	
TY Akin	
Harvey Anderson	
Ryan Gaskins	
Makayla Darnell	
Chasity Bryant	
Hannah Jones	
Trevor Cheatham	
Kwente Turnbull	
Jean O'Brian	
John Page	
Amelia Newton	
Astra Zivoble	

2-20-20 Career Services Overview (Other Meeting)



## Appendix C: Research

### Upper Extremity Physical Risk Factors of Electrical Panel Box Wiring Assembly

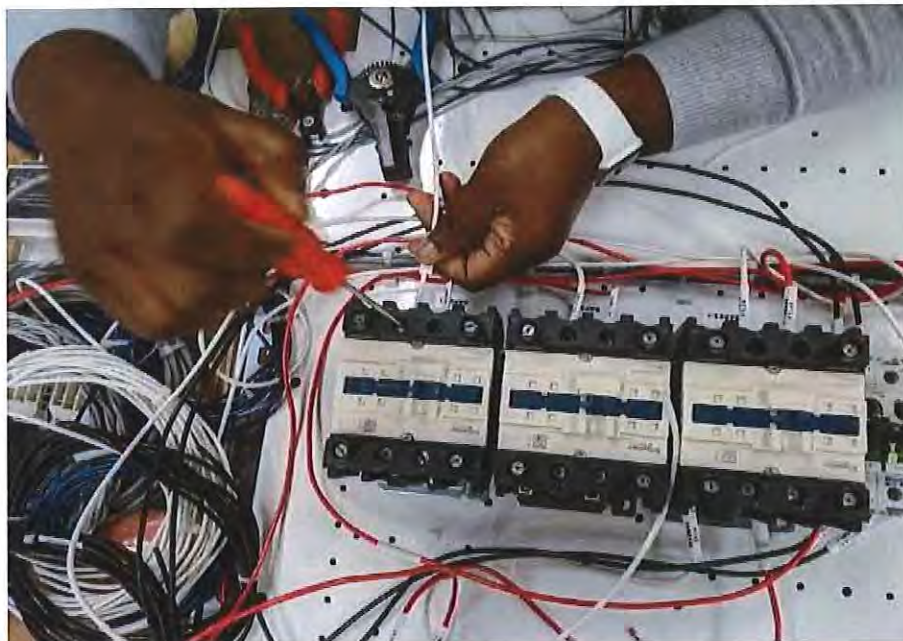
#### **“Upper Extremity Physical Risk Factors of Electrical Panel Box Wiring Assembly”**

##### **Abstract**

Upper extremity musculoskeletal disorders are common in labor activities associated with the manufacturing of electrical components. A typical repetitive job in this industry is the assembly of electrical panel boxes. Wiring electrical panel boxes consists of four primary subtasks: (1) Cutting electrical wire into the desired length; (2) Stripping the ends of wire; (3) Capping/crimping the ends of wire; and (4) Attaching wire to breakers. The purpose of this pilot project will be to characterize the physical activity and exposure to physical risk factors of workers during electrical panel box wiring assembly by collecting direct measurements using surface electromyography (EMG) and inertial measurement units (IMU). Additionally, the Borg CR-10 scale will be used to measure discomfort of the hand, wrist, and forearm. Results of this study can: (1) Identify the physical ergonomic risk factors associated with electrical panel box assembly and maintenance; (2) Identify potential improvements to tools used in electrical panel box assembly and maintenance; and (3) Develop ergonomic guidelines for electrical panel box assembly and maintenance procedures. The proposed project will allow us to contribute to the National Occupational Research Agenda (NORA) for Manufacturing Objective 1.3 "Contribute to the reduction of occupational musculoskeletal disorders in manufacturing" and the NIOSH MSD Health and Safety Cross-Sector Program.

## Background

Significant upper extremity musculoskeletal disorders (MSDs) have become a common issue within the electrical components manufacturing industries. Upper extremity MSDs are often underreported and result in the most time away from work [1]. There are various risk factors associated with the development of work related upper extremity MSDs [2]. Containing similar activities to other industries (i.e. dentistry, dairy production, and tattoo artistry), electrical component assembly involves several tasks requiring high repetition with awkward hand and wrist postures as shown in Figure 1 [3, 4]. High repetition and awkward postures results in biomechanical fatigue, particularly in the wrist flexor and extensor muscles [5, 6].



*Figure 1: Awkward hand and wrist postures*

It is often believed that automation has significantly reduced biomechanical risk in manufacturing activities. However, electrical component assembly requires detailed and repetitive tasks (i.e. electrical panel box wiring) that are only accomplished through manual operation. Electrical panel box wiring typically includes four primary subtasks: (1) Measuring and cutting the wire into the desired length; (2) Stripping the ends of the wire; (3) Capping and crimping the ends of the wire; and (4) Attaching the wire to the breakers.

According to the Bureau of Labor and Statistics, MSDs account for approximately 31% of all non-fatal occupational injuries in the United States [6]. The manufacturing sector reported the third highest number of injuries with the second highest incident rate for non-fatal occupational injuries and illnesses [6]. There is evidence of the prevalence of MSDs assembly [6]. However, there is limited studies evaluating the tasks associated with the assembly of electrical panel boxes.

The purpose of this pilot project will be to characterize the physical activity and exposure to physical risk factors of workers during electrical panel box wiring assembly by collecting direct measurements using surface electromyography (EMG) and inertial measurement units (IMU). Additionally, the Borg CR-10 scale will be used to measure discomfort of the hand, wrist, and forearm. The proposed project will allow us to characterize and compare the exposure of physical risk factors and physical activity of workers using the common industry tools to ergonomically designed tools during assembly and maintenance; as well as, contribute to the National Occupational Research Agenda (NORA) for Manufacturing Objective 1.3 "Contribute to the reduction of occupational musculoskeletal disorders in manufacturing" and the NIOSH MSD Health and Safety Cross-Sector Program.

### **Specific Aims**

The objective of the study is to reduce the prevalence of musculoskeletal disorders in the electrical component assembly industry by the following specific aims:

1. Identify and evaluate the physical ergonomic risk factors associated with electrical wiring and assembly of electrical panel boxes using direct measurements from surface electromyography and inertial measurement units.
2. Identify potential design improvements to the tools used in electrical panel box wiring and assembly.
3. Develop ergonomic guidelines for assembly, wiring/re-wiring, and maintenance procedures of electrical panel box assembly.

### **Research Design and Methods to Accomplish the Proposed Aims**

#### **IRB Review**

The Murray State University Institutional Review Board (IRB) protects the rights and welfare of human research participants. As such, the IRB reviews all research activities, regardless of funding, which involves human subjects for compliance with applicable federal, state, local, and institutional regulations, guidelines and ethical principles. All funded research involving human subjects must be reviewed and approved under IRB procedures, prior to receiving funding. The IRB has the authority to approve, require modifications to secure approval, disapprove research proposals, and to suspend or terminate research that is not conducted in accordance with IRB's requirements or that has been associated with unexpected serious harm to subjects. IRB request for review was submitted on January 17, 2020 and approved on February 21, 2020. Additionally, to participate in the study, subjects will be provided written consent forms detailing subject expectations and requirements.



### **Subjects**

Ten (10) male subjects will be recruited to participate in the study. Inclusion criteria for the subject to participate in the study will be: (1) 19-40 years old; (2) No history of neck, shoulder, upper extremity, or distal upper extremity pain; (3) No physical disability that could affect movement and ability to perform the job; and (4) Display the capacity to understand the study and acknowledge consent of participation. Researchers will recruit students using an IRB approved script during professional student organization meetings in the Department of Occupational Safety and Health. Interested students will be vetted to ensure that they meet the abovementioned inclusion criteria. Subjects meeting the inclusion criteria will express their consent by signing an IRB approved consent form. Sample size is similar to published studies characterizing physical risk factors within industries containing comparable activities [3, 8, 9].

Data from surface electromyography (EMG) system and inertial measurement unit (IMU) will be recorded for each subject for the duration required to complete the task. Anthropometric data such as hand length, hand width, grip strength, grip breadth, height, and weight will be measured prior to the study. After the subjects have been fitted with the data collection equipment, a researcher will shadow the subject creating a time log of activity to the nearest minute. Once the tasks are complete, the subject will be asked to fill out the discomfort survey.

### **Muscle Exertions and Activity**

A Noraxon 12ch Ultium ESP surface electromyography (EMG) system will be used to estimate muscle activity of the wrist flexor and extensor muscles following published guidelines [10]. The EMG system that will be used in this study is capable of recording muscle activity data at a rate of 1000 Hz. Functional maximum voluntary contractions will be collected to normalize EMG data for appropriate comparison as described in previous studies [3, 5, 8]. A grip dynamometer will be used to determine the maximum voluntary contraction of the dominant hand. The subject will perform three trials while sustaining a maximum contraction for three seconds [11]. After each grip strength exertion the subject will relax his hand for a recovery period of 120 seconds [11]. To characterize muscle activity, EMG data collected while performing the task will be used to calculate a percentage of maximum voluntary contraction (%MVC) for each muscle [3, 5]. Mean root-mean square (RMS) and the 10th, 50th, and 90th percentile amplitude probability distribution function (APDF) will be calculated to characterize muscle activity for each task.

### **Measurement of Posture**

A Noraxon MyoMotion™ Inertial Measurement Unit Motion Capture System with sensors that contain a tri-axial accelerometer, gyroscope, and magnetometer will be used to record worker postures while performing electrical wiring and assembly tasks at 100 Hz sampling rate. This system does not require space calibration. Similar sensors have been used in studies measuring physical activity and risk factors [9]. Two sensors will be used to measure flexion and deviation angles of the wrist. MyoMotion™ will be used to calculate the range of motion of body segments, and identify time spent at extreme postures during the performance of each task. Extreme postures will be defined as wrist extension  $\geq 45^\circ$ , wrist extension  $\leq 20^\circ$ , ulnar deviation  $\geq 7^\circ$ , and ulnar deviation  $\leq 5^\circ$  [12, 13, 14].

### **Discomfort Survey – Borg CR-10 Scale**

A distal upper extremity map with the Borg CR-10 scale will be administered to survey discomfort of the hand, wrist, and forearm [15]. The discomfort survey will be used to evaluate the physiological and psychophysical responses post-electrical wiring and assembly.

### **Equipment**

#### **Noraxon 12ch Ultium ESP surface electromyography (EMG) system**

This system will be needed to measure muscle activity while performing wiring tasks. This equipment is available to Dr. Abulhassan, and funding is not required for this equipment.

#### **Noraxon MyoMotion Portable Motion Capture System**

This system will synchronize with the abovementioned EMG system and will be used to measure body postures of workers while performing a task. This equipment is available to Dr. Abulhassan, and funding is not required for this equipment.

#### **microFET® Digital HandGRIP Dynamometer**

This device will be used to determine the maximum voluntary contraction.

#### **Adjustable Workstation**

A BOSTONtec PB series 36 x 72 custom workstation will be used to simulate the worker conditions during electrical panel box wiring assembly.

### **Statistical Analyses**

Descriptive statistics will be calculated for muscle activity, comfort, and hand activity level. Analysis of Variance (ANOVA) will be used to analyze factors that could affect comfort such as age and hand size. Independent variables in this study include tasks being performed, hand size, age of subject, grip strength, grip breadth, height, weight, and tools being used. Dependent variables include muscle activity, wrist postures, and hand activity level.

### **Expected Results**

Results of this study are expected to indicate that electrical panel box wiring and assembly exposes workers to highly repetitive muscle exertion, non-neutral postures, and generally high movement velocity to meet production. These physical risk factors would indicate an increased risk for hand, wrist, and forearm MSDs.

### **Impact Statement**

Results of the proposed project will allow for the development a standardized procedure of collection for real-time posture and physical exertion data using direct measurement devices to better understand the physical risk factors of jobs in the electrical component manufacturing and assembly industry. The impact to occupational safety and health will allow for the potential improvements to tools used in electrical panel box assembly and maintenance; as well as, the development of ergonomic guidelines for electrical panel box assembly and maintenance procedures.

### **Future Direction**

Results of this study can: (1) Identify the physical ergonomic risk factors associated with electrical panel box assembly and maintenance; (2) Identify potential improvements to tools used in electrical panel box assembly and maintenance; and (3) Develop ergonomic guidelines for electrical panel box assembly and maintenance procedures.

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- [15] You, H., Kumar, A., Young, R., Veluswamy, P., & Malzahn, D. E. (2005). An ergonomic evaluation of manual Cleco plier designs: Effects of rubber grip, spring recoil, and worksurface angle. *Applied Ergonomics*, 36, 575-583.

### **Human Subjects Research Description**

The proposed project does not include women or children.

#### **Subject Source**

Ten (10) subjects will be recruited from within the OSH department. Inclusion criteria for subjects to participate will be: (1) 19-40 years old; (2) No history of neck, shoulder, upper extremity, or distal upper extremity pain; (3) No self-reported or immediately apparent physical disability that could affect movement and ability to perform the job; and (4) display the capacity to understand the study and acknowledge consent of participation. Sample size and selection criteria is similar to published studies measuring and characterizing muscle activity and physical risk factors across various industries [3, 8, 9].

#### **Recruitment Plan**

Researchers will recruit students using an IRB approved script during professional student organization meetings in the Department of Occupational Safety and Health. Interested students will be vetted to ensure that they meet the abovementioned inclusion criteria. Subjects meeting the inclusion criteria will express their consent by signing an IRB approved consent form.

#### **Protection of Human Subjects**

All data collected from the participants will be used and stored on a password protected computer. The computer will be locked in Dr. Abulhassan's office in 157H Industry & Technology Center, Murray State University. (a) Confidential documents and information will be retained for a period of three years. (b) All confidential data will be locked in Dr. Abulhassan's office in 157H Industry & Technology Center, Murray State University. (c) After the retention period all data will be deleted from the computer, and all confidential documents will be shredded.

## ABSTRACT

Tyler Howell and Bayley Ranes, Faculty Mentor: Yousif Abulhassan, PhD, CSP, CPE

The prevalence of ergonomic injuries in the agriculture industry is magnified in jobs that are labor intensive. Tobacco is one of the primary agricultural products of Western Kentucky. As most tobacco is grown on small farms, harvesting tasks are typically performed by temporary manual labor. The purpose of the study was to assess the ergonomic risks of tobacco harvesters to other labor-intensive agricultural jobs such as reforestation and dairy farm work. Muscle activity of the left and right upper trapezius and middle deltoid of 10 subjects while cutting and spiking tobacco plants was measured using electromyography (EMG). Inertial measurement units (IMU) were also used to characterize posture of workers while cutting and spiking tobacco plants. Initial findings indicate that tobacco harvesting for all muscle groups workers were at or below 25% MVC for 93% of the work cycle. Other agriculturally based studies have shown similar results. Although the workers are not approaching maximum voluntary contraction, job activities are highly repetitive and are considered to be a contributing factor in the development of musculoskeletal disorders in agricultural workers.

# Ergonomic Risk Factors of Agricultural Jobs in Western Kentucky

## Ergonomic Risk Factors of Agricultural Jobs in Western Kentucky

Tyler Howell, Bayley Ranes | Faculty Mentor: Yousif Abulhassan, PhD, CSP, CPE

Department of Occupational Safety and Health, Murray State University

### Introduction

- In 2019, an estimated 77.9 million pounds of burley tobacco was produced in Kentucky (USDA, 2020)
- The incidence rates of musculoskeletal disorders in support activities for crop production is 30.2 per 10,000 full-time workers (Bureau of Labor Statistics, 2019)
- The purpose of the study was to assess the ergonomic risk factors of cutting and spiking tobacco leaves during harvest

### Methods

- Muscle activity and posture was assessed in the field during the cutting and spiking activities of tobacco harvesting
- **Research Subjects**
  - Nine (9) males
  - Mean Age (years): 30.7 (5.0)
  - Mean Body Mass Index (kg/m<sup>2</sup>): 26.8 (4.4)
- **Data Collection Tools**
  - Inertial Measurement Units: thoracic flexion
  - Electromyography: muscle activity of the mid deltoid and trapezius muscles
- **Data Collection Tools**
  - A maximum voluntary contraction (MVC) was collected for each participant to evaluate muscle activity as a percentage of MVC

### Results

- In comparison to MVC's, muscle activation of the mid deltoid and trapezius muscles do not indicate high force muscle exertions during tobacco cutting and spiking activities
- Awkward postures are the greatest ergonomic risk factor in tobacco harvesting activities

#### Thoracic Flexion During Spiking Activities

	Mean	Standard Deviation
10 <sup>th</sup> percentile	-2.52	5.28
50 <sup>th</sup> percentile	6.02	5.76
90 <sup>th</sup> percentile	14.56	10.35
% Time in neutral posture	39.72	22.74



Sample Representation of Right Mid Deltoid Muscle Activity During Tobacco Cutting

### Discussion


- Results collected indicate that tobacco harvesting activities consist of high repetition, low force tasks that have the potential to result in chronic repetitive motion injuries
- Designing tools to assist in cutting and spiking activities that reduce awkward postures and repetitive movement can significantly reduce the prevalence of musculoskeletal disorders in tobacco harvesters

I

**ALLEGRO<sup>®</sup>**  
***FINE FOODS, INC.***

Noise Assessment Report

Allegro Fine Foods Inc., Noise Monitoring

	Allegro Fine Foods, Inc.		Date of Assessment	21 Nov 2019
			Issue Date	09 Dec 2019
Preparation: MSU ASSP	Authority: Allegro Fine Foods, Inc.	Issuing Dept: Safety	Page:	1 of 7

**Background**


Industrial noise exposure has widely been accepted as the leading cause of hearing loss among working citizens. Industrial noise is classified as being loud and continuous over an extended period time. Human ears can recover from short term noise exposure, however, over time nerve damage will occur. Damage from noise exposure depends on the loudness and length of exposure. Scientific studies have shown that hearing loss can occur when 8-hour average noise exposure exceeds 85 decibels. Hearing loss from noise exposure is usually not noticed because it is so gradual; and, typically a person loses the ability to hear higher pitches first. Often the first noticeable sign of hearing loss is the difficulty of hearing speech. The risk of hearing loss increases dramatically as noise levels increase. Noise exposure above 115 decibels (dB) for even five minutes is very risky. Impact or banging noise above 140 dB will cause immediate damage.

If the ear is subjected to high levels of noise for a sufficient period of time, some loss of hearing will occur. There are many factors that affect the degree and extent of hearing loss, including the following: the intensity of the noise (sound pressure level), the type of noise (frequency spectrum), the period of exposure each day (worker's schedule per day), the total work duration (years of employment), individual susceptibility, the age of the worker, coexisting hearing loss and ear disease, the character of the surroundings in which the noise is produced, the distance from the source, and position of the ear with respect to sound waves. The first four are the most important, and they are called noise exposure factors. Thus, it is necessary to not only know the intensity of the noise, but the type of noise and its duration as well.

According to the CDC, 22 million workers are exposed to hazardous occupational noise levels with expectations projected the total to double by 2050. The average cost of noise induced hearing loss cost an estimated \$297,000 over the lifetime of an infected individual. Moreover, hearing loss is one of the most claimed disabilities with over \$242 million annually in workers compensation among industries. As a result, OSHA has developed safety regulations to limit noise exposure to 90 dB over an eight-hour time weighted average (TWA<sub>8</sub>). Additionally, OSHA requires a hearing conservation program when the overall TWA<sub>8</sub> equals or exceeds 85 dB. However, the OSHA permissible exposure limit (PEL) has not changed in over 33 years. New evidence suggests that the more conservative ACGIH threshold limit value (TLV) of 85 dB TWA<sub>8</sub> is the more acceptable exposure limit. Due to the preponderance of evidence, the ACGIH TLV has been widely accepted as "best practice".



Allegro Fine Foods Inc., Noise Monitoring

	Allegro Fine Foods, Inc.		Date of Assessment	21 Nov 2019
			Issue Date	09 Dec 2019
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**Noise Assessment and Evaluation**

Occupational hearing loss is a cumulative result of repeated or continued absorption of sound energy by the ear. Employee protection is based on several controls reducing the sound level at the source (engineering), employee’s ear (PPE), or limiting the amount of time exposed to noise (administrative).

**Instrumentation**

3m Edge 5 Noise Dosimeter

**Initial Observations**

An initial observation was conducted to identify sources and length of excessive noise exposure. There were four main contributors to noise exposure observed during the initial walkthrough. These four sources include: bottling conveyor line, kettle cookers, forklifts, and grinders and saws resulting from maintenance work. The typical work shift for an employee is 10 hours Monday-Thursday.

**Evaluation**

A detailed noise assessment was conducted on November 21, 2019 using six 3M Edge 5 Noise Dosimeters. The dosimeter was configured for the OSHA action level, OSHA PEL, and the ACGIH TLV. Noise monitoring was conducted over an 8-hour time period as requested. Six employees were selected based on their proximity to the four identified sources of concern, as well as, the duration in which they spent in the area. Before monitoring, the dosimeters were calibrated to 114 dB. Post-calibration was conducted within 30 minutes after monitoring.

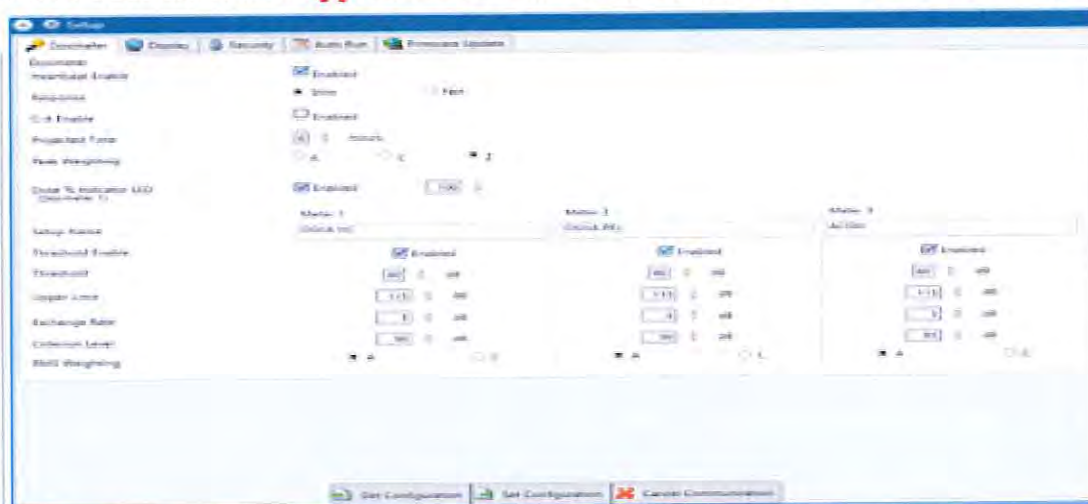
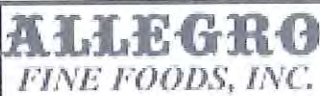


Figure 1: Dosimeter Configuration

Allegro Fine Foods Inc., Noise Monitoring

	Allegro Fine Foods, Inc.		Date of Assessment	21 Nov 2019
			Issue Date	09 Dec 2019
Preparation: MSU ASSP	Authority: Allegro Fine Foods, Inc.	Issuing Dept: Safety	Page:	3 of 7

**Results**

*Meter 1 – OSHA HC*

The results indicate an 8-hour TWA over 85 dBs for four of the six workers monitored. Additionally, the average sound level ( $L_{AVG}$ ) ranged between 85.9 dB and 87.7 dB for the four workers. The  $L_{AVG}$  can be used to extrapolate the average over a 10-hour work shift. Two of the six workers did not exceed 85 dB, with one employee below 80 dB. The overall percentage dose extended over eight-hours ranged between 16.9% - 74.5%. Based on the results, there should be an established hearing conservation program (HCP).

Date	Set	Meter ID	Employee Name	Area	Meter	Dose	TWA (dB)	$L_{avg}$ (dB)
11/21/2019	ESM 120022	D15	Chasity	Kettle Room	1	16.90%	77.1	77.2
11/21/2019	ESN 020169	D20	Edmond	Line 2 (Packing)	1	29.50%	81.2	81.1
11/21/2019	ESM 120024	D12	Tim	Line 2 (Bottling)	1	67.10%	87.1	87.1
11/21/2019	ESN 020183	D17	Raymond	Bottling	1	63.90%	86.7	86.6
11/21/2019	ESN 020166	D5	Ted	Line 2 (Bottling)	1	57.00%	85.9	85.9
11/21/2019	ESN 020167	D16	Will	Line 3/4	1	74.50%	87.9	87.7

Table 1: Meter 1 - OSHA HC Results

*Meter 2 – OSHA PEL*

The results indicate the 8-hour TWA for the six employees monitored to range between 69.8 dB and 85 dB. The  $L_{AVG}$  ranged between 69.8 dB and 84.8 dB. The overall percentage dose extended over an 8-hours ranged between 6% - 50.2%. Based on the results, the 8-hour TWA PEL of 90 dB was not exceeded. However, the results further indicate the need for an established HCP with exposure exceeding 50% dose at 85 dBs.

Allegro Fine Foods Inc., Noise Monitoring

<b>ALLEGRO</b> FINE FOODS, INC.	Allegro Fine Foods, Inc.		Date of Assessment	21 Nov 2019
			Issue Date	09 Dec 2019
Preparation: MSU ASSP	Authority: Allegro Fine Foods, Inc.	Issuing Dept: Safety	Page:	4 of 7

Date	S#	Meter ID	Employee Name	Area	Meter	Dose	TWA (dB)	Lavg (dB)
11/21/2019	ESM 120022	D15	Chasity	Kettle Room	2	6.00%	63.8	63.8
11/21/2019	ESN 020169	D20	Edmond	Line 2 (Packing)	2	7.40%	71.2	71.2
11/21/2019	ESM 120024	D12	Tim	Line 2 (Bottling)	2	24.00%	79.8	79.8
11/21/2019	ESN 020183	D17	Raymond	Bottling	2	34.80%	82.2	82.3
11/21/2019	ESN 020166	D5	Ted	Line 2 (Bottling)	2	32.20%	81.8	81.8
11/21/2019	ESN 020167	D16	Will	Line 3/4	2	50.20%	85	84.8

Table 2: Meter 2 - OSHA PEL


Meter 3 – ACGIH

The results indicate an overexposure of the ACGIH TLV for five of the six workers monitored. The 8-hour TWA of all six workers ranged between 83.8 dB and 91 dB. The L<sub>AVG</sub> ranged between 83.7 dB and 90.9 dB. The worker under exposure measured an 8-hour TWA of 83.8 dB and L<sub>AVG</sub> of 83.7 dB. The overall percentage dose extended over 8-hours ranged between 75.9% - 406%. These results strongly suggest the implementation of a hearing conservation program with added control measures.

Date	S#	Meter ID	Employee Name	Area	Meter	Dose	TWA (dB)	Lavg (dB)
11/21/2019	ESM 120022	D15	Chasity	Kettle Room	3	114.00%	85.5	85.6
11/21/2019	ESN 020169	D20	Edmond	Line 2 (Packing)	3	75.90%	83.8	83.7
11/21/2019	ESM 120024	D12	Tim	Line 2 (Bottling)	3	234.50%	88.7	88.6
11/21/2019	ESN 020183	D17	Raymond	Bottling	3	305.30%	89.8	89.7
11/21/2019	ESN 020166	D5	Ted	Line 2 (Bottling)	3	248.20%	88.9	88.9
11/21/2019	ESN 020167	D16	Will	Line 3/4	3	406.00%	90	90.8

Table 3: Meter 3 – ACGIH

Allegro Fine Foods Inc., Noise Monitoring

	Allegro Fine Foods, Inc.		Date of Assessment	21 Nov 2019
			Issue Date	09 Dec 2019
Preparation: MSU ASSP	Authority: Allegro Fine Foods, Inc.	Issuing Dept: Safety	Page:	5 of 7

**Controls**


The number one goal in controlling hazards is to eliminate the hazard completely. The process of determining appropriate control measures is determined through the evaluation of the hierarchy of controls. Controls are used to reduce the overall noise exposure through elimination, substitution, engineering, administrative, and PPE measures.

*Engineering Controls*

Engineering controls are used to control exposure at the source of the noise. In this case, the two largest sources of exposure are the bottling line and the kettle room. Effective engineering controls include replacing the bottle line conveyor with variable-speed conveyor with adjustable distance between guiderails. This new adjustable conveyor has been shown to reduce sound levels by up to 18 dB. Another solution would be modifying the building by installing acoustic panels fitted to walls (applicable to both the bottle conveyor lines and the kettle room). Purchasing a new conveyor with built in enclosures or installing fitted enclosures on the existing conveyor line.

Employee/Location	Risk Factors	Causal Factors	Solutions
Raymond – Bottling Line	Meter 1 – 86.6 dB Meter 2 – 82.3 dB Meter 3 – 89.7 dB	Bottles colliding with one another.	Adjustable conveyor. Acoustic panels. Conveyor enclosure.
Chasity – Kettle Room	Meter 1 – 77.2 dB Meter 2 – 69.8 dB Meter 3 – 85.6 dB	Large mixing kettles cause large peak sound levels due to confined enclosure.	Acoustic panels. Remove the metal roof of the kettle room.
Will – Lines 3 and 4	Meter 1 – 87.7 dB Meter 2 – 84.8 dB Meter 3 – 90.9 dB	Bottles colliding with one another.	Adjustable conveyor. Acoustic panels. Conveyor enclosure.
Ted – Line 2 (Bottling/Filling)	Meter 1 – 85.9 dB Meter 2 – 81.8 dB Meter 3 – 88.9 dB	Bottles colliding with one another.	Adjustable conveyor. Acoustic panels. Conveyor enclosure.
Tim – Line 2 (Bottling/Filling)	Meter 1 – 87.1 dB Meter 2 – 79.8 dB Meter 3 – 88.9 dB	Bottles colliding with one another.	Adjustable conveyor. Acoustic panels. Conveyor enclosure.
Edmond – Line 2 (Packaging)	Meter 1 – 81.1 dB Meter 2 – 71.2 dB Meter 3 – 83.7 dB	Bottles colliding. Forklifts.	Acoustic panels.

Allegro Fine Foods Inc., Noise Monitoring

	Allegro Fine Foods, Inc.		Date of Assessment	21 Nov 2019
			Issue Date	09 Dec 2019
Preparation: MSU ASSP	Authority: Allegro Fine Foods, Inc.	Issuing Dept: Safety	Page:	6 of 7

**Administrative Controls**

Although administrative controls are less preferable than engineering controls, administrative controls are effective at reducing the overall time exposure of the employee. The implementation of a hearing conservation program (HCP) is an effective means of reducing exposure of your employees. An effective HCP includes implementing baseline and annual audiograms, prescribing hearing protection, scheduled monitoring of noise exposure, establishing an employee education program (EEP), and recordkeeping. Reducing time exposure by changing schedules and implementing job rotations can significantly lower employee exposure.

**Personal Protective Equipment (PPE)**

The two most used hearing protection devices are earmuffs and earplugs or the sometimes the combination of the two. There are many acoustic and non-acoustic factors associated with these devices which might be to a worker's advantage or disadvantage in a situation. Both major forms of hearing protection can be effective when used properly. OSHA requires that employers give their workers a variety of acceptable protectors from which to choose.

**Recommendations**

---

As mentioned previously, when implementing control measures, it is best to follow the hierarchy of controls. As such, it is recommended to consider purchasing an adjustable conveyor line or enclosing the existing conveyor line with a fitted enclosure. Installing acoustic panels within the facility (particularly the kettle room) will prevent reverberation by absorbing the sound. Regardless, it is highly recommended, based off the results, integrating a hearing conservation program. The HCP should at least include establishing baseline and annual audiograms, prescribing hearing protection, scheduled monitoring of noise exposure, establishing an employee education program (EEP), and recordkeeping. Post-monitoring is recommended after any control implementation to ensure the proper function. However, it is recommended to perform a complete noise assessment over the entirety of the 10-hour shift before implementation of such controls to ensure the most accurate data collection.

Allegro Fine Foods Inc., Noise Monitoring

<b>ALLEGRO</b> <i>FINE FOODS, INC.</i>	Allegro Fine Foods, Inc.		Date of Assessment	21 Nov 2019
			Issue Date	09 Dec 2019
Preparation: MSU ASSP	Authority: Allegro Fine Foods, Inc.	Issuing Dept: Safety	Page:	7 of 7

**Appendix A – Detailed Noise Survey**

<b>Company:</b> Allegro Fine Foods, Inc.	<b>Division:</b> Manufacturing	<b>Address:</b> 1595 Tennessee 218 Bypass Paris, TN 38242
---------------------------------------------	-----------------------------------	-----------------------------------------------------------------

Date	Name	Area	S#	Meter ID	Start (AM)	Ending (PM)	Pre-Calibration (dB)	Post-Calibration (dB)
11/21/19	Raymond	Bottling	ESN 020183	D17	7:33	3:44	114	115.9*
11/21/19	Chasity	Kettle	ESM 120022	D15	8:00	3:56	114	114.2
11/21/19	Ted	Line 2 (Bottling)	ESN 020166	D5	8:00	4:00	114	114
11/21/19	Tim	Line 2 (Bottling)	ESM 120024	D12	7:48	3:49	114	114.5
11/21/19	Edmond	Line 2 (Packing)	ESN 020169	D20	7:42	3:47	114	114.4
11/21/19	Will	Line 3/4	ESN 020167	D16	8:00	4:14	114	114.3

<b>Noise Surveyor:</b> Laramie Locke	<b>Signature:</b> LL
<b>SLM/Dosimeter:</b> 3M	<b>Model:</b> Edge 5 Dosimeter
<b>Calibration Date:</b> 11/21/19	<b>Survey Date:</b> 11/21/19

# Appendix D: Community Involvement

September 9<sup>th</sup> – 13<sup>th</sup> Calloway County Fire and Rescue Fundraiser



Samantha Ratledge, an OSH student, was lost to drowning Labor Day weekend.

Her father asked that, in lieu of flowers, donations be made to Calloway County Fire and Rescue Service so that needed water search and rescue equipment can be purchase.

MSU's ASSP will match every dollar donated up to \$500.

**Show your OSH and Racer spirit!  
Every dollar helps!**



@ASSP-MurrayState



**venmo**



**AMERICAN SOCIETY OF  
SAFETY PROFESSIONALS**

MSU ASSP is collecting donations this week, 9/9-13/19. Cash, checks or Venmo welcomed. Place 'Sam' in the memo line for all checks and Venmo donations. Place donations in the marked 'hard-hat' in the OSH Suite or at the Curris Center booth by the bookstore.

September 9<sup>th</sup> – 13<sup>th</sup> Calloway County Fire and Rescue Fundraiser





10-31-19 Trail of Treats



2-12-20 ASSP Bowling Night

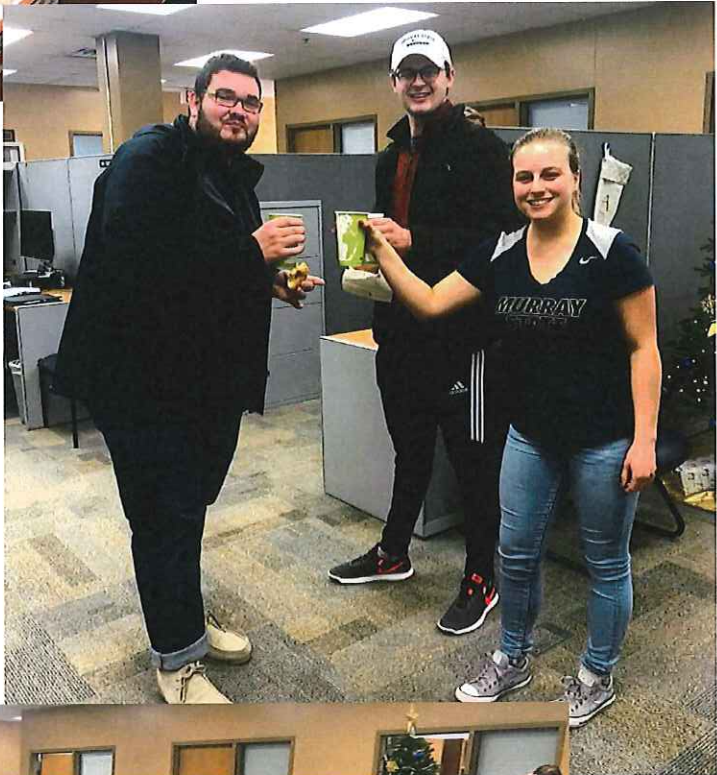
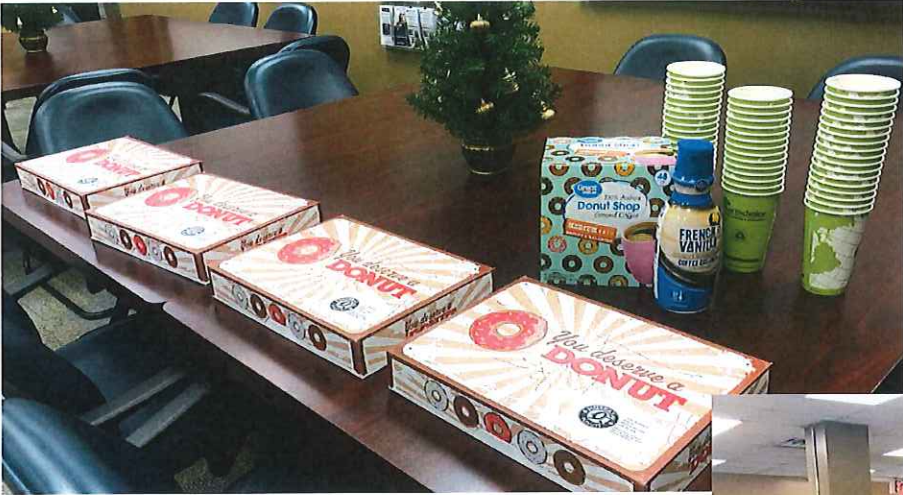


3-10-20 ASSP Bowling Night



# Appendix E: Campus Involvement

## 12-3-19 Donut & Coffee Social



3-10-20 ASSP student Section Scholarship

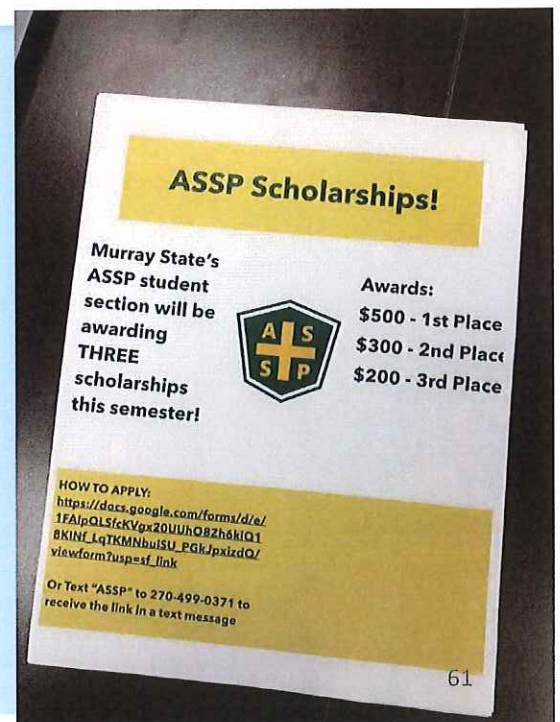


# ASSP Scholarship

Deadline for the Murray State University ASSP Student Section Scholarship is February 28th @11:59pm

- 1st place- \$500
- 2nd place- \$300
- 3rd place- \$200

TEXT "ASSP" TO 270-499-0371 FOR LINK TO APPLY



3-10-20 ASSP student Section Scholarship



March 9, 2020

Mr. Colton Schanze, Student  
Department of Occupational Safety and Health  
Murray State University  
Murray, KY 42071

Regarding: American Society of Safety Professionals Scholarship, Purchase Area Chapter and  
Murray State University Student Section

Dear Mr. Schanze:

Thank you for your recent application for the student scholarship co-sponsored by the Murray State University Student Section and Purchase Area parent chapter of the American Society of Safety Professionals (ASSP). All submissions were evaluated against the prescribed criteria, and the submitted technical papers underwent separate 'blind' evaluations by a department faculty member.

This is to inform you that you are a recipient of this year's scholarship in the amount of \$200.00. Please accept my congratulations on behalf of all student section officers and members, and the Purchase Area Chapter officers and members.

Very Kind Regards,

Trevor Cheatham  
Student Section President  
American Society of Safety Professionals  
Murray State University



AMERICAN SOCIETY OF  
SAFETY PROFESSIONALS

To save a copy of this document, click Duplicate.



March 9, 2020

Mr. Dibash Acharya, Student  
Department of Occupational Safety and Health  
Murray State University  
Murray, KY 42071

Regarding: American Society of Safety Professionals Scholarship, Purchase Area Chapter and  
Murray State University Student Section

Dear Mr. Acharya:

Thank you for your recent application for the student scholarship co-sponsored by the Murray State University Student Section and Purchase Area parent chapter of the American Society of Safety Professionals (ASSP). All submissions were evaluated against the prescribed criteria, and the submitted technical papers underwent separate 'blind' evaluations by a department faculty member.

This is to inform you that you are a recipient of this year's scholarship in the amount of \$300.00. Please accept my congratulations on behalf of all student section officers and members, and the Purchase Area Chapter officers and members.

Very Kind Regards,

Trevor Cheatham  
Student Section President  
American Society of Safety Professionals  
Murray State University



AMERICAN SOCIETY OF  
SAFETY PROFESSIONALS

3-10-20 ASSP student Section Scholarship



March 9, 2020

Mr. Colton Buck, Student  
Department of Occupational Safety and Health  
Murray State University  
Murray, KY 42071

Regarding: American Society of Safety Professionals Scholarship, Purchase Area Chapter and  
Murray State University Student Section

Dear Mr. Buck:

Thank you for your recent application for the student scholarship co-sponsored by the Murray State University Student Section and Purchase Area parent chapter of the American Society of Safety Professionals (ASSP). All submissions were evaluated against the prescribed criteria, and the submitted technical papers underwent separate 'blind' evaluations by a department faculty member.

This is to inform you that you are a recipient of this year's scholarship in the amount of \$500.00. Please accept my congratulations on behalf of all student section officers and members, and the Purchase Area Chapter officers and members.

Very Kind Regards,

Trevor Cheatham  
Student Section President  
American Society of Safety Professionals  
Murray State University



AMERICAN SOCIETY OF  
SAFETY PROFESSIONALS



3-10-20 OSH Department Donation



March 9, 2020

Tracey Wortham, Ph.D., P.E.  
Chair and Professor  
Department of Occupational Safety and Health  
157 Industry and Technology Center  
Murray State University  
Murray, KY 42071

Regarding: Donation, Murray State University Foundation, Designated to the Occupational Safety and Health (OSH) Department

Dear Dr. Wortham:

Thank you for your example and to all who serve OSH department students, whether faculty or staff.

On behalf of all student section officers and members, please accept a donation of \$500 from the Murray State University Student Section of the American Society of Safety Professionals. This donation is asked to be used at the department chairperson's discretion for the purchase of needed OSH department training materials or equipment.

Very Kind Regards,

Trevor Cheatham  
Student Section President  
American Society of Safety Professionals  
Murray State University



9-16-19 Murray State University September Blood Drive



10-25-19 Soup for the Soul



11-11-19 Murray State University September Blood Drive



## Appendix F: Endorsement Letters

Dr. Tracey Wortham



### MURRAY STATE UNIVERSITY

March 30, 2020 Jesse D. Jones College of Science, Engineering and Technology

Dear ASSP Student Section Awards Committee:

It is my pleasure to write this letter to support Murray State University American Society of Safety Professionals' application for the 2019-2020 Outstanding Student Section Award. Murray State is indeed fortunate to have ASSP take an active role in our campus community. I am in a position, as chair of the Department of Occupational Safety and Health (OSH) and professor of 25 years, to see that this year's student section has had a tremendously positive effect on its leaders, its members and the community.

Over the past year I've observed the leadership of the executive officers grow significantly as they've matured and developed into a cohesive team. In the fall, they sent seven students to the Future Safety Leaders Conference and brought back ideas to share with members. Their dedication to their members and the OSH program has ensured quality meetings and activities that have benefitted both.

ASSP has been active from the start of the academic year. After learning that a fellow OSH student lost her life to drowning in a Labor Day boating incident, the officers determined they would spread awareness of boating safety and work to prevent future loss of life. They organized a fund drive and scheduled volunteers to collect donations which were given to the county's fire and rescue service to purchase life-saving equipment.

During times of student stress through midterm and final exams, they hosted events to support members (e.g., coffee and donut social, bowling night at the local lanes, and trivia night at local restaurant.) In community outreach efforts, they worked with the local Red Cross to promote blood drives in the student center, working to get members, students, professors and the community to donate blood.

In efforts to promote academics, they held fundraisers and worked with the region's professional chapter to award local student scholarships to members. For one of the fundraisers, ASSP officers designed a creative and fun T-shirt logo featuring the university's mascot and a safety theme in support of ASSP. Scholarships totaling \$1,000 were awarded to three student ASSP members.

In my position as chair, I've considered us fortunate in being able to seek help from this student section throughout the year. ASSP executive officers and members provide assistance to facilitate visits of important guests (company visitors and recruiters), support events (recruiting, career fair), and serve as mentors and role models for newer students. They have always willingly and cheerfully pitched in to provide their full support. The OSH program appreciates knowing that we can count on ASSP!

I am extremely proud of this group of executive officers and the membership that make up Murray State's ASSP student section. They are a credit to the occupational safety and health profession and are highly deserving of your consideration for this year's Outstanding Student Section Award.

Sincerely,

A handwritten signature in black ink that reads "Tracey B. Wortham". The signature is written in a cursive, flowing style.

Tracey B. Wortham, PhD, PE  
Chair and Professor

We are Racers.

[murraystate.edu](http://murraystate.edu)

Department of Occupational Safety and Health

157 Industry and Technology Center, Murray, KY 42071-3347 | 270-809-2488 | FAX 270-809-3630

Equal education and employment opportunities M/F/D, AA employer. Murray State University supports a clean and healthy campus. Please refrain from personal tobacco use.

Randy Gray



**MURRAY STATE**  
UNIVERSITY

Occupational Safety and Health

March 26, 2020

American Society of Safety Professionals  
ATTN: Chapter Services  
520 N. Northwest Highway  
Park Ridge, IL 60068

Dear Task Force Members:

I am writing to respectfully request your strong consideration of the Murray State University Student Section of the American Society of Safety Professionals an excellent candidate for the Outstanding Student Section Award. As the President of the Purchase Area Chapter of ASSP of which this student section is affiliated with and supported by, I have this group of safety students to be both passionate and dedicated to the future of the safety profession and the advancement of ASSP as an organization.

I have read the petition and I believe that it precisely reflects the activity of the Student section. I am most proud of the work completed in the student chapter program at Murray State. The students are proactive and seek opportunities to assist in local community events and inviting guest speakers who present current topics that they will be confronted with after their graduations.

These are just some of the efforts of the Murray State University student chapter section. They are:

1. Sent six delegates to the future safety leaders conference,
2. Donated \$1,000 to local fire and rescue department for needed equipment,
3. Participated in on-campus blood drives, Murray soup-kitchen, Trail of Treats (Halloween),
4. Full schedule of technical meetings,
5. Three or more times representatives sent to the purchase area chapter meeting,
6. A \$1,000 in scholarships given to OSH students, 2nd year in a row,

Randy Gray Continued

7. A T-shirt fundraiser for scholarships,
8. A \$500 donated to the OSH department to be used at the Chair's discretion,  
Second year in a row, and
9. A field trip to Gerdau, Jackson, TN - steel plant

The leadership team of the Student section has been very active in our professional chapter meetings. I highly recommend the Murray State University ASSP Student Section as an exceptional candidate and well deserving of this award.

Best regards,

*Randy Gray*, CHST, CSHM, GSP, OHST, B.S., M.S.  
President, Purchase Area ASSP Chapter  
President, Grayhawk Advantage, Inc., d/b/a  
Eleven years w/ Grayhawk Safety & Health Consulting Company  
Forensic Safety & Health Expert Witness  
Twenty-Five Years with OSHA, Compliance Officer Specialist  
P.O. Box 821, Benton, Kentucky 42025-0821 – mailing address  
5795 Mayfield Hwy., Benton, Kentucky 42025-4749 – courier deliveries  
270-703-8282 Work Cell  
randy@grayhawksafety.com / www.grayhawksafety.com

cc:

Chet Brandon, CSP, CHMM  
Regional Vice President, Region VII  
American Society of Safety Professionals

Ryan Cannady



March 13, 2020

OSSA Review Committee  
American Society of Safety Professionals  
520 N. Northwest Highway  
Park Ridge, IL 60068

Dear OSSA Committee:

As a recent graduate of Murray State University, it is my honor to write this letter of endorsement for Murray State's ASSP Student Section. This section is led by great faculty advisors and students focusing on getting students involved within Murray State's campus and community. As a student, I participated in various roles within this section and continue to feel confident in its officers and members.

Murray State's ASSP designs their section in a committee-based structure. This allows numerous students to volunteer and lead community service, research, fundraising, and social activities. Throughout the year, countless activities are scheduled to benefit others outside of the Murray State's OSH department. Also, monthly meetings typically aim to bring in professionals to speak about technical safety topics, professional development, and other miscellaneous subjects to benefit students. The mission of this chapter is to develop leaders and to create a foundation for growth within the safety field. This is demonstrated each year beginning with the leaders that are chosen to serve this mission.

I strongly recommend this chapter for the Outstanding Student Section of the Year Award. I am certain this chapter has demonstrated ways to advance safety students and education. Through their efforts, Murray State's ASSP Student Section is developing the next generation of safety leaders.

If there are any questions, please feel free to contact me at [Ryan.Cannady@ettp.doe.gov](mailto:Ryan.Cannady@ettp.doe.gov)

Sincerely,

A handwritten signature in black ink, appearing to be "Ryan Cannady", written over a horizontal line.

Ryan Cannady, GSP  
UCOR Industrial Hygienist



Dr. Bob Jackson



Office of the President

218 Wells Hall  
Murray, KY 42071-3318  
270-809-3763  
270-809-3413 fax

April 7, 2020

Outstanding Student Section Award Review Committee  
American Society of Safety Professionals  
520 N. Northwest Highway  
Park Ridge, IL 60068

Dear Outstanding Student Section Award Review Committee:

I am honored to endorse the American Society of Safety Professionals (ASSP) Student Section at Murray State University (MSU) for the Outstanding Student Section Award (OSSA) in recognition of their hard work over this past year.

At Murray State University, we value professionalism and integrity and we strive for excellence in all endeavors we undertake. The Murray State ASSP Student Section has exuded these values through their volunteerism, educational endeavors and professional development activities. The MSU Student Section of the American Society of Safety Professionals has demonstrated a strong desire to learn, lead and invest in their futures – attributes to which all Murray State students should aspire – and is certainly deserving of OSSA recognition.

It is for these reasons and many others that I highly recommend the Murray State University American Society of Safety Professionals Student Section for the Outstanding Student Section Award. Murray State University's ASSP Chapter sets the standard for future safety professionals. I am very proud of these students and know that they will continue to make meaningful contributions for many years to come.

Thank you for giving the MSU American Society of Safety Professionals Student Section your highest consideration for the Outstanding Student Section Award.

Sincerely,

A handwritten signature in blue ink, appearing to read "Bob Jackson".

Robert L (Bob) Jackson, Ed.D.  
President

Dr. David Wilbanks



## MURRAY STATE UNIVERSITY

Jesse D. Jones College of Science,  
Engineering and Technology

Department of Occupational  
Safety and Health

157 Industry and Technology Center  
Murray, KY 42071-3347  
270-809-2488 • 270-809-3630 fax

April 8, 2020

Awards Coordinator  
American Society of Safety Professionals  
1800 E. Oakton Street  
Des Plaines, IL 60018

Regarding: Outstanding Student Section Award Submission

Dear Committee Members:

Please accept my warm endorsement of the Murray State University's American Society of Safety Professionals (ASSP) Outstanding Student Section Award submission.

This has been my second year as the ASSP student section faculty advisor, and it has been a most enjoyable and satisfying experience. I have come to know the student section members and officers in a deeper way than otherwise could have been likely. Together we have met regularly to plan and review the section's activities that have included regular student section meetings, an industry field trips, Purchase Area parent chapter regular meetings, the conduct of research, community and university outreach, fund-raising and new officer recruitment. I am particularly proud of the section's efforts this year to 'give back.' This has been demonstrated by its:

- \$1,000 scholarship shared between 3 student section winners.
- Donation of \$500 to the Murray State University Occupational Safety and Health Department to defray the cost of needed training equipment and materials.
- Fundraising and donation of over \$1,100 to the community fire and rescue team for the purchase of needed equipment in memory of deceased student Samantha Ratledge who lost her life in a Labor Day boating accident.

I appreciate the Awards Committee's challenge in selecting the most deserving submission.

Please let me know how I might better express my pride and appreciation in our student section's good work.

Very Kind Regards

David W. Wilbanks, Ph.D., CSP, ARM  
Assistant Professor,  
Department of Occupational Safety and Health  
Murray State University

Opportunity  
afforded

# Appendix G: Newsletters

August 2019 Newsletter



## ASSP - Meet Your 2019-2020 Officers



**President**

Hello, everyone! My name is Trevor Cheatham. I'm a Senior here at Murray State. I enjoy hanging out with friends, watching sports, and being outdoors. I'm honored to serve our ASSP chapter this year and I look forward to getting some of our younger students engaged in safety earlier on in their college career!



**Exec. Vice President**

My name is Amelia Newton and I am a Senior. My hobbies include reading, hiking at LBL, and hammocking. This year in ASSP, I'm really looking forward to making connections in the safety world that will last after I graduate.



**Vice President**

My name is Austin ~~Zivobilo~~ and I am a Graduate Student. I love the outdoors and watching sports. This year in ASSP, I'd like to see more students get involved.



**Recorder**

My name is Jacob Littlefield and I am a Senior. I enjoy traveling, watching football and I'm also involved in SGA. This year, I look forward to graduating and helping our ASSP chapter put together the Outstanding Student Section Award packet.



**Secretary**

My name is Madison Ohlmann and I am a Junior. I love playing softball and volleyball and being at the beach. This year I am excited to go to the Safety Leadership Conference and meeting new people!



**Delegate**

My name is Melina ~~Eaker~~ I'm a Sophomore here at MSU. I love the outdoors and hanging out with my friends. I'm excited to see what this year holds!



**Treasurer**

My name is Laramie Locke and I am first year Graduate Student. I enjoy hiking, cooking, and spending time with family. I'm looking forward to having a great year and helping our student chapter reach the highest level of success!



**Research**

**WE ARE RECRUITING**

**Are you interested?**

**Contact Professor Wilbanks or Trevor Cheatham for more details.**

To be a member use this link; <http://bit.ly/2HkuV6M>

Dues (yearly) = \$30 local + \$15 national



Murray State University Section  
**ASSP Monthly Newsletter**  
September 2019

## **First Chapter Meeting**

**When:** September 19, 2019 @ 4:45

**Where:** Room 146

**Guest Speaker:** Ryan Cannady

**Food will be provided!**

### ***WE ARE RECRUITING!***

Register using this link: <http://bit.ly/2HkuV6M>

Dues: \$30 local + \$15 national

**Accepting payments at the first meeting**

Will accept Venmo or Check only!



### **Get Involved!**

We are still searching for a Research Chair. Contact Trevor Cheatham or Dr. Wilbanks for details!

### **Upcoming Meeting Dates**

Thursday, October 17, @4:45



Murray State University Section  
**ASSP Monthly Newsletter**  
October 2019

## Chapter Meeting

**When:** October 17, 2019 @ 4:45

**Where:** Room 146

**Guest Speaker:** Turner Construction

**Food will be provided!**

### ***Attn: Committee members***

Committees will meet right after the chapter meeting.



**Begin applying for ASSP  
scholarships!**

***Due December 1<sup>st</sup>***

**Contact Trevor Cheatum for more  
details.**

### **Upcoming Meeting Dates**

**Thursday, November 21, @4:45**

Murray State University Section  
**ASSP Monthly Newsletter**



November 2019

## Chapter Meeting

**When:** November 19, 2019 @ 4:45

**Where:** Room 146

**Guest Speaker:** Ashley Poyner

**Food will be provided!**

***Begin applying for ASSP scholarships!***

***Due December 1st***

***Contact Trevor Cheatham for more details.***



We will be taking orders for Polos and T-shirts!  
See an officer for details.

### Upcoming Meeting Dates

**Parent Chapter Meeting**  
Friday November, 15 @ 10:30 am  
Calvert City Public Library



|

**When: January 30, 2020 @ 4:45**

**Where: Room 146**

**The officers will be speaking about opportunities in ASSP  
(including scholarships)**

**Food will be provided!**



## Murray State University Section



**When:** February 20, 2020 @ 4:45

**Where:** Room 146IT

**Guest Speaker:** Career Services

**Food will be provided!**

**ASSP Scholarship deadline is February 28th**

**Upcoming Meeting Dates**



Murray State University Section  
**ASSP Monthly Newsletter**  
March 2020



## Chapter Meeting

**When:** March 12, 2020

**Where:** Room 146IT

**Guest Speaker: Carter Phipps**  
**(Calloway County Fire Rescue)**

**Food will be provided!**

### **Taking Officer Nominations for 2020-2021**

If you are interested in being an officer contact Trevor Cheatham or Dr. Wilbanks for more info

tcheatham2@murraystate.edu

dwilbanks@murraystate.edu

### **Golfing With ASSP Parent Chapter**

ASSP is planning on golfing with the Parent Chapter on April 17<sup>th</sup> here in Murray, KY!

If you're interested contact Amelia Newton

Anewton8@murraystate.edu

### **Upcoming Meeting Dates**

Thursday, April 16, 2020 @4:45



## Appendix H: Additional Documents and Photos

Membership Drive Flyer and Email



**AMERICAN SOCIETY OF SAFETY PROFESSIONALS**  
Murray State University

**WE ARE RECRUITING**

New & Current Member Form:  
<https://bit.ly/2KAxFxx>

**New Members:** Use this URL to join Murray State's ASSP Student Section AND pay your 2019-2020 dues.  
**Current Members:** Use this URL to update your membership information AND pay your 2019-2020 dues.

**New and Improved Link to Join ASSP!!!**

<http://bit.ly/2HkuV6M>

OSH Students,

If you would like to join **Murray State's ASSP (American Society of Safety Professionals) Student Section**, please utilize this link: <http://bit.ly/2HkuV6M>

**New Members:** Use the above link to join Murray State's ASSP Student Section AND pay your 2019-2020 dues.  
**Current Members:** Use the above link to update your membership information AND pay your 2019-2020 dues.

The faculty advisor and co-advisor are: Dr. David Wilbanks and Dr. Traci Byrd.

## Appendix H: Additional Documents and Photos

Additional ASSP Student Section Scholarship Flyer and Email



**Murray State's ASSP Student Section will be awarding **THREE** scholarships!!**

<b>Awards:</b>	<b>Application</b>
<b>\$500 - 1st Place</b>	<b>Deadline:</b>
<b>\$300 - 2nd Place</b>	<b>Feb. 28</b>
<b>\$200 - 3rd Place</b>	<b>by 11:59 pm</b>

**To Apply go to:**  
[https://docs.google.com/forms/d/e/1FAIpQLSfcKVgx20UUhO8Zh6kiQ18KINf\\_LqTKMNbuISU\\_PGkjpxizdQ/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSfcKVgx20UUhO8Zh6kiQ18KINf_LqTKMNbuISU_PGkjpxizdQ/viewform?usp=sf_link)  
or visit [murraystate.edu/osh](http://murraystate.edu/osh) and click on Scholarships.  
You can also Text "ASSP" to 270-499-0371 to receive the link in a text message.

OSH Students,

The Murray State ASSP Student Section will be awarding **THREE** scholarships this semester!

Scholarship Amounts:

- 1st Place - \$500**
- 2nd Place - \$300**
- 3rd Place - \$200**

**Due Date: Feb 28 by 11:59pm**

For application and guidelines, please use the following link.

[https://docs.google.com/forms/d/e/1FAIpQLSfcKVgx20UUhO8Zh6kiQ18KINf\\_LqTKMNbuISU\\_PGkjpixzdQ/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSfcKVgx20UUhO8Zh6kiQ18KINf_LqTKMNbuISU_PGkjpixzdQ/viewform?usp=sf_link)

You can also Text "ASSP" to 270-499-0371 to receive the link in a text message.

Keep up-to-date on newly posted Safety Scholarships on the OSH department's website at

<https://murraystate.edu/academics/CollegesDepartments/CollegeOfScienceEngineeringandTechnology/CollegeOfScienceProg>

Sign-Up flyer for Future Safety Leaders Conference and Email



CHICAGO, IL  
NOV 7-8, 2019

# FUTURE SAFETY LEADERS CONFERENCE



AMERICAN SOCIETY OF  
SAFETY PROFESSIONALS



Apply: <https://www.assp.org/education/conferences/future-safety-leaders-conference>

Submit Completed Application to Dr. Wilbanks.

**Deadline: September 5, 2019**

## Why Attend the Future Safety Leaders Conference?

Geared toward OSH students looking to transition into their careers, the Future Safety Leaders Conference offers unique opportunities to:

Network for the purpose of seeking out employment opportunities

Learn how to be an effective leader and communicator

Engage in roundtable discussions with experienced safety professionals

Gain career advice from ASSP leaders and top employers

Enhance career development skills

Explore options for advanced degrees, certifications, internships and employment

If you would like to join Murray State's ASSP (American Society of Safety Professionals) Student Section, please utilize this link: <https://bit.ly/2KAXFxx>

**New Members:** Use the above link to join Murray State's ASSP Student Section AND pay your 2019-2020 dues.

**Current Members:** Use the above link to update your membership information AND pay your 2019-2020 dues.

The faculty advisor and co-advisor are: Dr. David Wilbanks and Dr. Traci Byrd.

ASSP is also accepting applications for ASSP members interested in attending the 2019 ASSP Future Safety Leaders Conference in Chicago, IL, November 7-8.

The application can be found at this link (also attached as a word file): <https://www.assp.org/education/conferences/future-safety-leaders-conference>

If you are interested in attending the FSL Conference turn in a completed application to Dr. David Wilbanks by Thursday, September 5, 2019.

Why Attend the FSL Conference?

Geared toward OSH students looking to transition into their careers, the Future Safety Leaders Conference offers unique opportunities to:

- Network for the purpose of seeking out employment opportunities
- Learn how to be an effective leader and communicator
- Engage in roundtable discussions with experienced safety professionals
- Gain career advice from ASSP leaders and top employers
- Enhance career development skills
- Explore options for advanced degrees, certifications, internships and employment

# Murry State Blood Drive

- Feb 10-11
- Curris Center 3<sup>rd</sup> Floor
- 10 am to 4 pm both days
- Email:  
[anewton8@murraystate.edu](mailto:anewton8@murraystate.edu)



Colleagues - The MSU ASSP student section is promoting today's blood drive at the student center. Consider donating if you're able and inclined - it's part of our community outreach effort.

Please pass along to your campus / community contacts who might be interested.

Thanks

David

Committee Sign-Up Sheets

Committee Sign Up Sheet			
Committees include: Social, Research, Fundraising, & Community Service			
Please record your name and contact information so that we can get back to you with more information.			
PRINT NAME	COMMITTEE PREFERENCE	PHONE #	EMAIL ADDRESS
Taylor Robinson	Fundraising	(270) 231-7074	trobinsn22@murraystate.edu
Chloe Darst	Fundraising	(314) 580-4912	cdarst@murraystate.edu
Ryan Morris	Community Service	(270) 703-9130	jmorris34@murraystate.edu
Colin Horwood	Social/Community Service	(270) 227-9631	chorwood@murraystate.edu
Seth Harness	Community Serv./Research	270-617-4199	sharness2@murraystate.edu
Alex Millay	Community Service	270-903-4688	amillay@murraystate.edu
Jacob Crissup	Fundraising	812-270-3454	Jcrissup@murraystate.edu
Lilly Underwood	Fundraising	731-441-1739	lunderwood3@murraystate.edu
Blake Taylor	Research/Comm. Service	270-815-0115	btaylor41@murraystate.edu
Blanton, Asia	Community Service	270-293-5747	ablanton5@murraystate.edu

Committee Sign Up Sheet			
Committees include: Social, Research, Fundraising, & Community Service			
Please record your name and contact information so that we can get back to you with more information.			
PRINT NAME	COMMITTEE PREFERENCE	PHONE #	EMAIL ADDRESS
Karina Weaver	Community Service, research	502.498.6523	kweaver4@murraystate.edu
Sean O'Bannon	community service	(901) 487-8186	so'bannon@murraystate.edu
Taylor Osborn	social, community service	(502) 727-3109	tosborn1@murraystate.edu
Eric McClure	Research	270 227 9164	emcclure1@↑
Ryan Gaston	Research, Comm.	501 612 6435	rgaston1@murraystate.edu
Roxane Praxhet	community service, Social	314 679 0885	rpraxhet@murraystate.edu
Colton Schanz	Com. Service, Fundraising	618-974-0731	cschanz1@murraystate.edu
Keena Creason	Com. Service, Research	270-705-1794	kcreason@murraystate.edu
Jordyn Wyatt	Com. Service, Social	270-227-8555	jwyatt24@murraystate.edu
Maddie Jones	com. Service, Research	(270) 943-1350	majones93@murraystate.edu
Katy Appleby	part, Social	(270) 339-6897	kappleby@murraystate.edu

## Membership Roster



Acharya, Dibash

Akin, Ty

Archibong, Katherine

Barkley, Josh

Bentley, Matison

Blanton, Asia

Boyd, Bryce

Brackett, Kevin

Brandon, Taylor

Branton, Jonathan

Brian, Amelia

Brittain, Laken

Burnham, Brock

Cheatham, Trevor

Colson, Trace

Cooper, Carlie

Cox, Lauren

Creason, Keena

Crider, Ross

Crissup, Jacob

Daniels, Robert

Darnell, Makayla

Darst, Chloe

Doss, Nathan

Eaker, Melina

Elhidmi, Laila

Fritz, Jonathan

Gafford, John

Gardner, Kelsey

Gaskins, William

Glenn, Clayton

Harness, Seth

Herndon, Nicole

Hodges, Matthew

Horwood, Colin

Howell, Tyler

Huegen, Connor

Ingram, Tristen

Johnson, Hayden

Jones, Hannah

Jones, Kelsey

Jones, Madison

Kester, Kyle

Killman, Matthew

Koenig, Robert

Littlefield, Jacob

Locke, Laramie

Lovett, Gentry

Lupo, Joshua

Mason, Brandy

Mattingly, Robert

McClain, Avery

McClure, Eric

Millay, Alexander

Miller, Melanie

Morris, John

Newton, Amelia

Noel, Braden

O'Bannon, Sean

Ohlmann, Madison

O'Rourke, Will

Osborn, Taylor

Page, John

Pitt, Jack

Plunkett, Jared

Prouhet, Roxane

Ranes, Bayley

Ridgway, Ryan

Robinson, Chase

Robinson, Jacob

Robinson, Taylor

Schanz, Colton

Schatz, Ben

Sheridan, Ethan Sheridan

Simmonds, Robert

Simpson, Tyler

Slone, Damon

Stubblefield, Adam

Suttles, William

Tinnell, Alex

Toebe, Drew

Turnley, Kevonte

Underwood, Lillian

Weaver, Karina

Wilson, Hunter

Witt, Cody

Wyatt, Jordyn

Zinobile, John

Zinselmeyer, Kathleen



Thank You Letter from University for \$500 Donation to the OSH Department



March 17, 2020

MSU American Society of Safety Professionals  
 Dept of Occupational Safety & Health  
 Murray State University  
 150 Industry & Technology Ctr  
 Murray, KY 42071

Office of Development  
 200 Heritage Hall  
 Murray, KY 42071-3441  
 270-809-3001  
 1-877-282-0033  
 270-809-3436 fax  
 msu.giving@murraystate.edu

With great appreciation, thank you for your gift to the Murray State University Foundation. Gifts such as yours are fundamental to the success of an institution of higher learning by ensuring our students are provided a quality education and learning experiences through scholarships, cultural opportunities, and state of the art technology. We appreciate all you have done and continue to do for Murray State.

Murray State University continues to receive accolades for academic excellence as well as affordability. U.S. News & World Report recently recognized Murray State as one of the top schools in the country, ranking the University as one of the best for 2020, marking the University's 29th consecutive year of top-tier rankings. Murray State was also ranked 24th in the "Best Regional Universities in the South" category, and 11th among peer institutions in the "Top Public Regional Universities in the South." The University scored highly and increased its ranking from last year in the categories of best value school, best college for veterans and best undergraduate teaching. In addition, Murray State has been recognized as a "Best Bang for the Buck" by Washington Monthly, and one of "America's Best Colleges" by Forbes for the 12th consecutive year.

The Office of Development processes tax-deductible gifts on behalf of Murray State University Foundation, Inc. which is a tax-exempt 501 (c) (3) organization, and Murray State University, a tax-exempt entity. Below is a written acknowledgement which serves as your official receipt and substantiation of your gift; please retain your receipt for tax reporting purposes. Unless otherwise noted, no goods or services were provided to you in consideration for this gift.

With sincere appreciation,

*Jamie Haynes*

Jamie Haynes

*Tina Bernot*

Tina Bernot

[murraystate.edu/development](http://murraystate.edu/development)

*Retain this bottom portion for tax purposes.  
 The following gifts were received.*



MSU American Society of Safety Professionals  
 Dept of Occupational Safety & Health  
 Murray State University  
 150 Industry & Technology Ctr  
 Murray, KY 42071

Receipt# 2238323  
 ID# 000046182

**Gift Date**    **Fund Title**  
 3/12/2020    Occupational Safety & Health Department

**Gift Amount**  
 \$500.00

**Total:**

**\$500.00**

*Note: For the purchase of needed OSH department training materials or equipment*



Thank You Letter from Dr. Tracey Wortham for \$500 Donation to the OSH Department



**MURRAY STATE UNIVERSITY**  
**Jesse D. Jones College of Science, Engineering and Technology**

April 1, 2020

Dr. David Wilbanks  
ASSP Student Section Advisor  
Murray State University  
Department of Occupational Safety and Health  
157 Industry & Technology Center  
Murray, KY 42071

Dear Dr. Wilbanks,

On behalf of the students, staff, and faculty of the Department of Occupational Safety and Health at Murray State University, I want to thank the Murray State ASSP student section for the generous donation in the amount of \$500. This donation will be used to provide students with safety-related equipment allowing for more hands-on training in the program. Please convey our grateful appreciation to the officers and members of the Murray State ASSP student section.

Sincerely,

A handwritten signature in black ink that reads "Tracey Wortham". The signature is written in a cursive, slightly slanted style.

Dr. Tracey Wortham, P.E.  
Chair, Department of Occupational Safety and Health

Thank You Letter from Allegro Fine Foods Inc.

# ALLEGRO<sup>®</sup>

## *FINE FOODS, INC.*

March 23, 2020

Dr David Wilbanks  
Murray State University  
Department of Occupational Safety and Health  
157 Industry and Technology Center  
Murray, KY 42071

Dear Dr. Wilbanks,

Allegro Fine Foods, Inc. wanted to take time to personally thank Murray State University's American Society of Safety Professionals Student Section. Our facility has focused its efforts on noise reduction and noise control over the last year. Murray States students within the American Society of Safety Professionals organization were able to assist us in the execution of noise level testing. These students promptly followed their findings, and gave us at Allegro Fine Foods, Inc. their professional feedback and suggestions. These suggestions have been taken into consideration as we move forward with our noise reduction plans on the production floor. Once again, these students brought forth professionalism, timely reporting, and impactful suggestions to Allegro Fine Foods, Inc. and we are greatly appreciative of that.

Kind Regards,



David C. Griffo  
Allegro Fine Foods, Inc.  
Vice President of Finance

# scholarship opportunity

ASSP  FOUNDATION

*Education | Leadership | Research*

Applications Due: December 1, 2019

Applications and Eligibility Requirements can be found at [www.murraystate.edu/osh](http://www.murraystate.edu/osh) and see “Scholarships” on the left-hand menu or visit <https://foundation.assp.org/scholarships-and-grants/>

ASSP Trivia Night and Bowling Email

**Please see below a message from ASSP.**

Hello all,

ASSP will be attending Trivia at the Big Apple, tomorrow, Wednesday, February 26, at 7 PM. It is recommended to show up a little early! Hope to see you all there!

Madison Ohlmann

---

**Please see below a message from ASSP.**

Hello all!

ASSP will be having a social event tonight, February 11, at Corvette Lanes for \$2 bowling Tuesday @ 8PM. Hope to see you there!

Madison Ohlmann

**Please see below a message from ASSP.**

ASSP's student section officers look forward to seeing you tomorrow at the annual OSH Welcome Back picnic.

Please consider making a donation (every dollar counts) to remember our colleague and friend, Samantha Ratledge, who lost her life to drowning Labor Day weekend. We'll be accepting donations at the picnic and all week this week, also.

ASSP's Student section is collecting this money for the Calloway County Fire and Rescue service that assisted in Samantha's search. Her family hopes that needed water search and rescue equipment might be purchased from donations in Samantha's name. ASSP's student section will match every dollar donated up to \$500! Your help matters!

We hope you can and will support this important cause.

See you tomorrow,

Your ASSP Student Section Officer Team

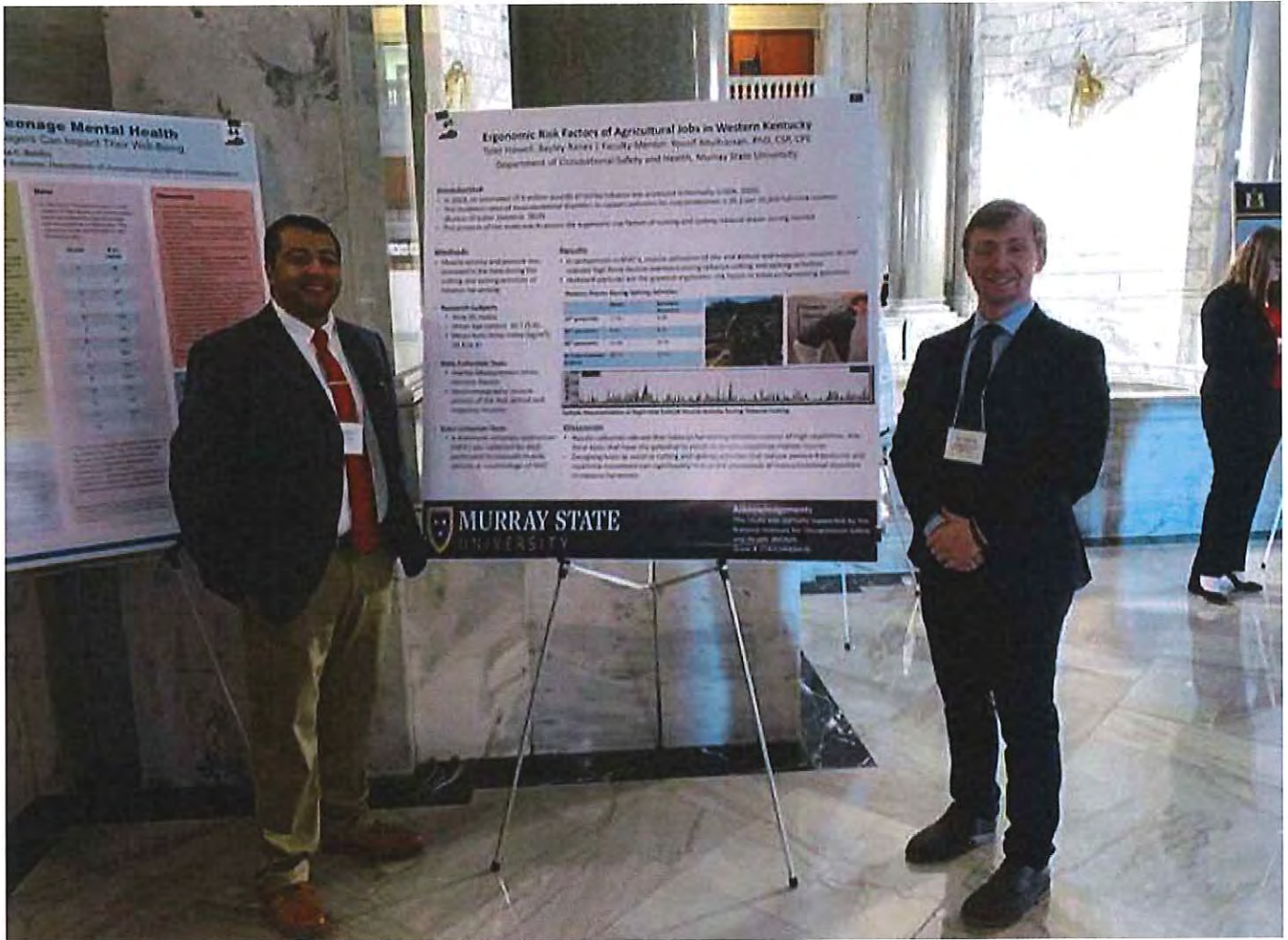


AMERICAN SOCIETY OF  
SAFETY PROFESSIONALS

ASSP members inducted into Rho Sigma Kappa Safety Honor Society



Tyler Howell and Dr Yousif "Joe" Abulhassan Poster Presentation



ASSP T-Shirt Sale Flyer and Email



**Please see below a message from ASSP.**

OSH Students,

**ASSP is selling OSH T-Shirts!!** Please see the below link on how to purchase.

<https://forms.gle/n2Fy8QPuNXKfmark6>

Respectfully,

Melina Eaker



Emails to ASSP Student Section Members

**Please see below a message from ASSP.**

Hello all!

ASSP is starting to take nominations for officers for the 2020-2021 school year. If you are interested or know someone who is interested in being an officer, contact Dr. Wilbanks or Trevor Cheatham **before April 1st**.

Positions include: President, Exec. Vice President, Vice President, Recorder, Secretary, Treasurer, Delegate, and Research.

Thanks and have a great week!

**Madison Ohlmann**

Hello all,

Tomorrow, Tuesday, December 3, ASSP will be hosting a Donut Social from 8am-11am in the OSH Suite (157 IT). Come out and enjoy some donuts and coffee on us to ease your mind from all your finals!

**Madison Ohlmann**